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Mann's Descriptive Catalogue

U.S. DEPARTMENT OF AGRICULTURE
Washington

ECHER CO. ROCHESTER, N.Y.

1913 GUIDE FOR THE FARM AND GARDEN

High Grade Seeds

P. Mann & Co., Washington, D.C.
207 7th ST., N. W., OPP. CENTRE MARKET.

A list of Vegetable Seeds that can be sown in each month from February to September

FEBRUARY

Sow in hotbed: Early Beans, Early Cabbage, Forcing Carrot, Early Celery, Cucumber, Egg-Plant, Early Lettuce, Parsley, Pepper, Radish, Tomato.

MARCH

Sow in hotbed: Early Beans, Early Beets, Brussels Sprouts, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg-Plant, Kohl-Rabi, Lettuce, Melon, Parsley, Peas, Pepper, Radish Tomato.

Sow in open ground: Beets, Carrot, Cress, Leek, Onion, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.

APRIL

Sow in hotbed: Cucumber, Egg-Plant, Melon, Pepper, Tomato.

Sow in open ground: Asparagus, Beans, Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip, Sweet Peas.

MAY

Artichoke, Asparagus, Beans, Beets, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Melon, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, all Herbs.

JUNE

Beans, all kinds; Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Lettuce, Melon, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

JULY

Beans, Beets, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale Kohl-Rabi, Lettuce, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

AUGUST

Beans, Bush; Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

SEPTEMBER

Cabbage for coldframes, Cauliflower for coldframes, Corn Salad, Cress, Siberian Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip, Sweet Peas.

Estimated Quantities of Seed Required to the Acre.

Wheat	1¼ to 2	bushels
Barley	1½ to 2½	"
Oats	2 to 4	"
Rye	1 to 2	"
Buckwheat	¾ to 2	"
Millet	1 to 1½	"
Corn	¼ to 2	"
Beans	1 to 2	"
Peas	2½ to 3½	"
Hemp	1 to 1½	"

Dwarf Essex Rope	6 to 8	pounds
Vetches	20 to 30	"
Timothy	12 to 24	quarts
Mustard	8 to 20	"
Herd Grass	12 to 16	"
Red Clover	10 to 16	pounds
White Clover	3 to 4	"
Blue Grass	10 to 15	"
Orchard Grass	20 to 30	"
Carrots	4 to 5	"
Parsnip	6 to 8	"
Turnip	2 to 3	"

Our catalogues are published each year, and are sent regularly to our customers whose names are on our books and to all others who apply for them.

P. MANN & CO. 207 7th Street N. W.
Opp. CENTER MARKET.

Order for Seeds

FROM

P. MANN & CO.,

207 7th ST. N. W., Opp. Centre Market

WASHINGTON, D. C.

Messrs. P. MANN & Co. give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

BE SURE TO FILL IN THESE BLANKS

Name_____

Street, P. O. Box or R. F. D. Number_____

Post-Office_____

County_____ State_____

Express or Freight Office_____

Ship order by_____

AMOUNT ENCLOSED

Postal Money Order, $_____

Express Money Order_____

Draft,_____

Currency,_____

Postage Stamps,_____

Date_____ 19

QUANTITY	ARTICLES WANTED	PRICE	

SPECIAL NOTICE

We shall esteem it a great favor if you will give us in the spaces below the NAMES and ADDRESSES of any your friends who buy seeds. We wish to send them our SEED ANNUAL

NAMES	POST-OFFICE	STATE

SEEDS AND IMPLEMENTS

Mann's Reliable Vegetable Seeds

GROWN ESPECIALLY FOR

MARKET GARDENERS AND TRUCKERS

AND THEREFORE THE BEST FOR PRIVATE USE

IN presenting this our 1913 Catalogue to our patrons and friends we wish to thank them for the very liberal support they have accorded us during the past years, and trust they will favor us with their patronage in the future. The flattering reports received from customers about the quality of our seeds have been very gratifying.

While we do not set apart any part of our Catalogue especially for novelties in the seed line, we wish to call attention to the items that are deserving exceptional mention.

WE DELIVER FREE to any Post-Office all vegetable seeds mentioned in this catalogue, if in packets, ounces, quarts or half pounds. Purchasers must pay charges on pounds, pints, quarts, pecks or bushels, and on all agricultural tools and fertilizers.

WHEN ORDERING, please state whether you want goods shipped by mail, express or freight. When this is omitted, we use our best judgment. Remittances may be made by sending Post Office Order, Express Money Order, Registered Letter or draft. For small amounts, postage stamps are acceptable. Catalogues are sent free to all who want them.

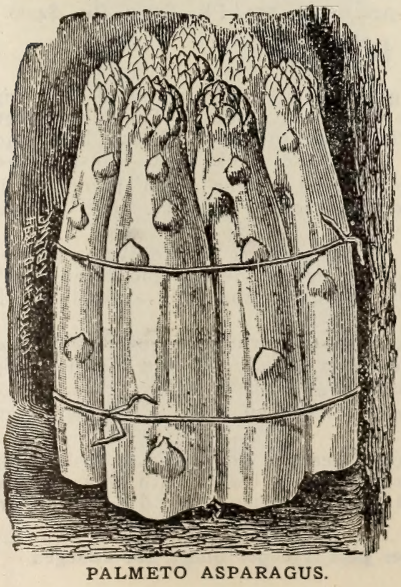
DISCLAIMER.—While we exercise the greatest care to have all our seeds pure and reliable, we do not give any warranty, expressed or implied. If the purchaser does not accept the seeds on these conditions, they must be at once returned. Yours truly,

P. MANN & CO.

207 7th STREET N. W. Telephone, Main 1121

SPECIAL NOTICE!

....Owing to the unsettlement of values on the line of goods listed in this Catalogue, all prices are subject to change without notice.



PALMETO ASPARAGUS.

Asparagus Seed Spargel, Ger.

One ounce will sow 50 feet of drill; 4 to 5 pounds to the acre.

CULTURE.—Sow in April or May, in rows 1 foot apart, and keep clean by frequent hoeing. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of 18 inches. On the approach of winter, cover with manure or compost; fork the beds early in spring and apply a dressing of salt or kainit at the rate of 600 pounds an acre. Cut for use the second year after planting.

PALMETTO ASPARAGUS.—An early, prolific and very desirable variety. Has the reputation of being less subject to blight than any other variety. The plants producing large, thick, dark green shoots. Price: Packets, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

EARLY GIANT ARGENTEUIL.—This very handsome variety obtained by selection from seedlings of the Giant Dutch Purple Asparagus; the head is slightly pointed, and the scales with which it is covered are very closely set, overlapping each other. Price per pound, 75c. ¼ pound, 25c. Ounce, 10c. Package, 5c.

COLUMBIAN MAMMOTH WHITE.—A variety of asparagus which is sure to be in great demand, because it produces immense white stalks of tender and excellent quality. Price per pound, 50c. Per ¼ pound, 20c. Per ounce, 10c. Per Package 5c.

ASPARAGUS ROOTS

TWO YEARS OLD EXTRA STRONG AND HEALTHY ROOTS.

About 2,500 roots are required to plant an acre.

PALMETTO.—An early sort. Per 100, 75c. Per 1,000, $4.50.

COLUMBIAN MAMMOTH WHITE.—Per 100, 75c. Per 1,000 $5.00.

GIANT ARGENTEUIL.—Per 100, $1.00. Per 1,000, $5.00.

ASPARAGUS KNIVES.—30c. each. By mail, 35c. each, postpaid Dozen, $3.

BEANS

Green Podded, Dwarf or Bush Varieties

CULTURE.—Dwarf Beans may not be safely planted until the middle of April owing to the late frost, but may be planted thereafter as desired, until the middle of August.

Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often to keep earth to the stems.

IMPROVED EXTRA EARLY RED VALENTINE.—Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment perfectly. It is a heavy cropper, and ready to pick in about forty days, Pint, 15c. Quart, 25c. Peck, $1.50. Bushel, $5.00.

KING OF THE EARLIES.—Possesses all the merits of the Red Valentine, and in addition has other valuable points. The pod is fully one-third longer than the Red Valentine and is perfectly round and straight; of a beautiful green color. Quart, 25c. Peck, $1.50. Bushel, $5.00.

EXTRA EARLY REFUGEE.—The pods are flashy and of fine quality; very hardy. Qt., 25c. Pk., $1.50. Bushel, $4.50.

NEW BOUNTIFUL.—A new green-pod Bush Bean, which comes into bearing very early and continues almost throughout the season. Pods beautiful rich green, very thick, broad, long and uniform; meaty, tender; absolutely stringless; good shell bean for winter use. Quart, 25c. Peck, $1.50. Bushel, $5.00.

IMPROVED RED VALENTINE

BURPEE'S STRINGLESS GREEN POD.—This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than Valentine; that is to say, in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. Quart, 25c. Peck, $1.50. Bushel, $6.00.

DWARF HORTICULTURAL.—Large, green pods, splashed with carmine. Excellent either as snaps in the green state, or shelled green or dry. In this neighborhood is one of the very best selling beans on the market. Quart, 25c. Peck, $1.50. Bushel, $5.50.

WHITE PEA OR NAVY.—Boston Baking Bean. Price per quart, 15c. Pk., $1.00. Bu., $4.00.

WAX SNAP OR BUSH BEANS

PENCIL POD BLACK WAX.—Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, which is one of its parents. The other parent is the Round Pod Refugee or Thousand to One., and from this latter source the Pencil Pod Black Wax gets much of its vigor, hardiness and productiveness. Quart, 25c. Peck, $1.50. Bushel, $6.00

Davis Kidney Wax.—An excellent rust proof Market Bean. One of the main points of its superiority over other sorts is its extreme hardiness and excellent keeping qualities. The dry bean is white. Quart, 30c. Peck, $1.75. Bushel, $6.50.

Dwarf German Wax.—One of the finest Snap-shorts, and the oldest of the Wax varieties; pods transparent, waxey yellow, and snap like pipe-stems; boil as rich as butter, and when highly seasoned are lucious; they are thick and very tender, entirely stringless, and fully as early as the Valentine. Quart, 25c. Peck, $1.50. Bushel, $5.50.

Improved Golden Wax.—(Rust proof.)—This variety, the pods of which are of a dark, rich golden-yellow color, is rapidly surpassing the famous Golden Wax, which has been the most popular and most desirable of all Wax varieties. Quart, 25c. Peck, $1.50. Bushel, $5.50.

Currie's Rust-Proof.—Pods long, flat and straight, of a beautiful golden color. Price per quart, 25c. Peck, $1.50. Bushel, $5.50.

Hodson Wax.—A new and distinct type of wax bean; strong, healthy growth, and resists rust and blight to a remarkable degree. Remarkably prolific, the plant being loaded with long, straight, handsome pods resembling the Wardwell's Kidney Wax, but plumper, straighter and longer. Quart, 25c. Peck, $1.50. Bushel, $5.50.

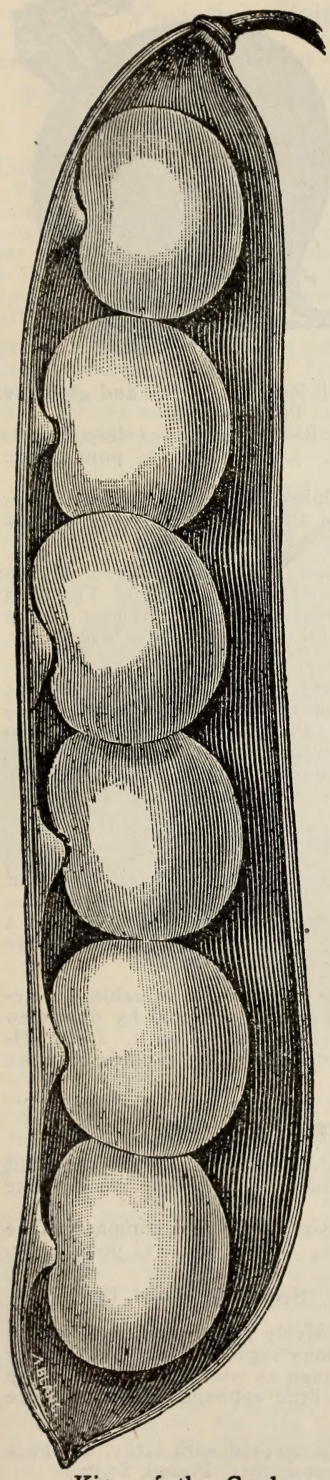
If Beans are ordered by mail or express prepaid, add 10c per pint, 15c per quart, for charges.

SEEDS AND IMPLEMENTS

Stangen Bohen, Ger

POLE BEANS

1 qt. to 150 hills



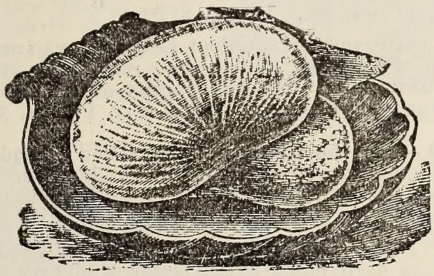
King of the Garden

LAZY WIFE'S POLE BEAN.—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for winter use. Qt., 30. Pk., $1.75. Bu., $7.00

SPECKLED HORTICULTURAL, OR CHERRY.—Very productive; equally good in green state or when shelled. Quart, 30c. Peck, $1.75. Bushel, $6.50.

KENTUCKY WONDER OR OLD HOMESTEAD.—We regard this variety as being the most desirable, best and earliest of all the green-podded running beans. Qt., 25c. Pk., $1.50. Bu., $6.00.

DWARF LIMA BEANS



Fordhook Bush Lima

BURPEE'S DWARF LIMA.—This is a bush form of the well-known large White Lima Bean. It is very fixed in its bush character, growing to a uniform height of about twenty inches, and forming a circular bush two to two and a half feet in diameter. Quart, 30c. Peck, $1.75. Bushel, $7.00.

DREER'S BUSH LIMA.—Possesses all the good qualities of the Dreer's Improved Pole Lima, which has long been admitted to be one of the best quality. It is of true bushy habit, growing vigorously about two feet high. Quart, 30c. Peck, $1.75. Bushel, $7.00.

FORDHOOK BUSH LIMA BEAN.—The only stiffy erect bush form of the Potato Lima. Both pods and beans are twice the size of the Kemerle or Dreer's Bush Lima. Qt., 40c. Pk., $2.50. Bu., $10.

POLE LIMA BEANS

One Quart Will Plant 100 Hills

SEIBERT'S EARLY LIMA.—Extra early, vigourous growth and productive. Pods long and well filled. Beans large and handsome. Gives entire satisfaction wherever grown. Quart, 30c. Peck, $1.75. Bushel, $7.00.

DREER'S IMPROVED POLE LIMA.—The distinctive features of this are the early maturity, large yield, and extra quality. The bean itself is thick and round, rather than oval shaped, as most Limas are. Quart, 30c. Peck, $1.75. Bushel, $7.00.

EXTRA LARGE SIZE LIMA.—Large white bean, very tender; used without shell; equally good in winter, if soaked 6 to 10 hours before cooking. Quart, 35c. Peck, $1.75. Bushel, $7.00.

FORD'S MAMMOTH.—The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod, of most excellent quality, for using either green or dry. Quart, 30c. Peck, $1.75. Bushel, $7.00.

KING OF THE GARDEN.—Large bean and pod; very heavy cropper. Quart, 30c. Peck, $1.75. Bushel, $7.00.

(Owing to short crops in some varieties of beans, prices are subject to change.)

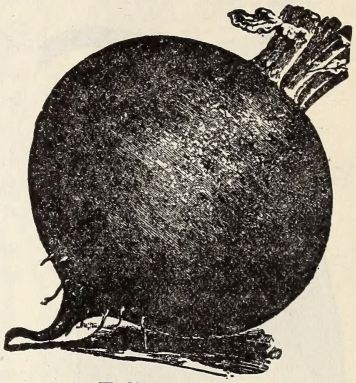
GARDEN BEETS

Culture.—If wanted very early, sow in hotbeds and transplant. For general use plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 2 inches apart in rows. One ounce of seed to 50 feet of drill; 6 to 8 pounds per acre.

Crosby's Egyptian.—This variety is as early as the original Egyptian, but by careful selection has been made thicker, and of better quality. For **early** use, either for market or for family gardens, this variety easily takes the lead. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Crimson Globe.—A second early variety, somewhat oblong in shape, with smooth skin and very dark flesh. Good quality. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Early Eclipse.—Very early, dark red color, small top and free from fibrous roots; will grow without thinning the plants. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

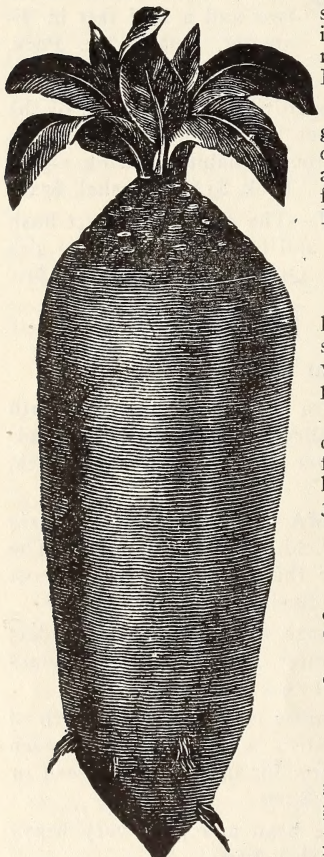


Eclipse Beet

Detroit Dark Red.—Very early and an excellent keeper. Tops small. Roots dark red and globular in shape. Tender and sweet. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Improved Early Blood Turnip.—An improved variety of the Early Blood Turnip; of deep, blood-red color; fine form and flavor. An excellent market sort, Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Extra Early Bassano Beet.—This beet is sometimes called Philadelphia Sugar Beet. Roots large, turnip shape; come very early, and are very sweet and tender; one of the leading varieties in this market; flesh bright light red. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.



Mammoth Long Red

Edmand's Turnip Blood.—Seed grown from originator's choice stock. This variety is thoroughly fixed and uniform in type. The flesh is deep blood-red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over-large. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Swiss Chard, or Silver Sea Kale Beet.—The leaves are used as greens in same manner as spinach, and the stems and midribs are often cooked and served as asparagus. Plants should be thinned to about one foot apart in the row. They continue growing until frost, furnishing a supply of the most delicious greens the entire season. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

MANGEL WURZEL—For Stock

Improved Mammoth Long Red.—The heaviest cropping and best long mangel. This mammoth variety grows to an immense size, single roots weighing twenty to thirty pounds each, and always of a very fine texture and good quality. ¼ pound, 15c. Pound, 40c. Five pounds or more, 35 cents a pound.

Golden Tankard.—A distinct variety, particularly valuable on account of its richness in saccharine matter; highly prized by dairymen for its milk producing qualities. All stock will thrive on it. Deep yellow flesh and skin. ¼ pound, 15c. Pound, 40c. Five pounds or more 35 cents per pound.

BROCCOLI Spargle Kohl. Ger.

Sow thinly in seed beds about the middle of Spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White.—Heads medium size, close and compact. One of the most certain to head. Packet, 10c. Ounce, 25c. ¼ pound, 75c.

BRUSSELS SPROUTS Sprossen Kohl, Ger,

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. Sow in May and manage as winter cabbage. In the Fall break the leaves down so that the little cabbage will have more room to grow.

Perfection.—The best variety is closely covered with large, compact sprouts. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

SEEDS AND IMPLEMENTS

American-Grown Selected

CABBAGE

Choux Poenmes, French.
Coyf Kohl, Ger.

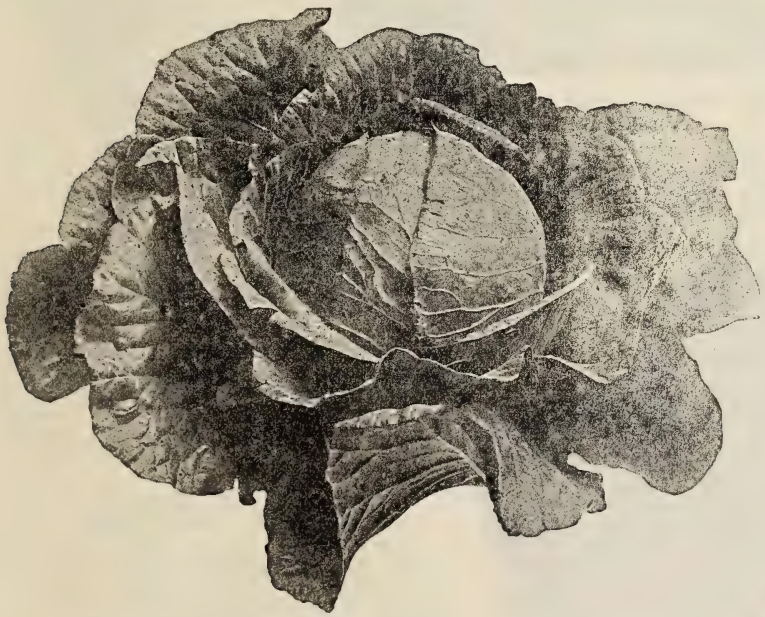
Early Varieties, Pointed Heads

One ounce will produce about 2,000 plants. One-quarter pound of seed in beds will produce plants for one acre.

Culture.—Start your early crop in hot-bed middle of February, covering seed about one-half inch; transplant to cold frames soon as plants are large enough, three or four inches each way. Remove glass part of each day to harden plants and plant out in open ground middle of April. For general crop sow in open ground in June in hills three feet apart.

Selected Jersey Wakefield.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

EARLY JERSEY WAKEFIELD.



COPENHAGEN MARKET—Henderson's Early Summer.

Large Wakefield, or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 pounds. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

Early York.—A well known variety; of small size; shape, roundish oval. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

Henderson's Early Spring. This variety is nearly as early as the Jersey Wakefield, but the heads are of the round, flat type of Early Summer. It has very small outer leaves, short stem and very small heart, making almost entire head fit for use. Packet, 5c. Ounce, 20c. ¼ pound 50c. Pound, $1.75.

Henderson's Early Summer.—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

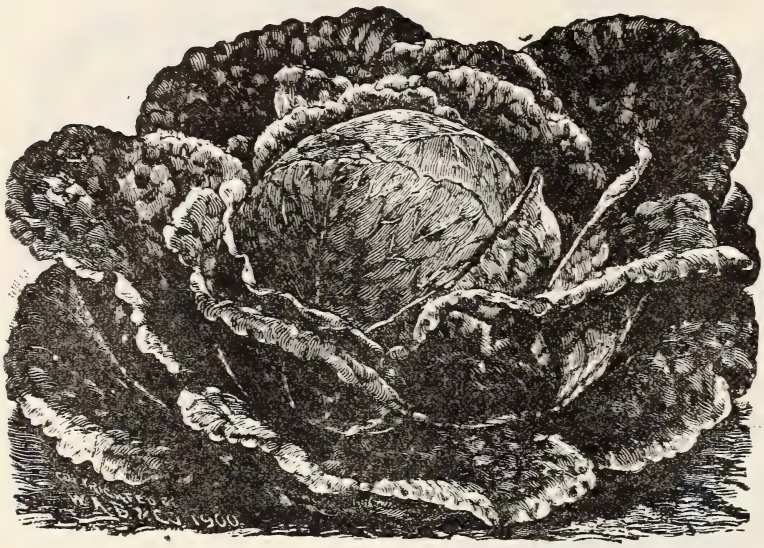
Early Flat Dutch.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Ounce, 15c. ¼ pound, 40c. Pound, $1.50.

Glory of Enhuizen—This is a Holland product, and has made good in this country wherever it has been planted. Produces a very heavy crop, is quite early, large and round; always extremely solid and fine-ribbed, excelling in flavor almost all other varieties. It is exceedingly tender and has more of the flavor of the "Savoy" Cabbage than most other sorts; quite dwarf and compact, allowing close planting. Heads ball-shaped and with few outside leaves. Color is a lightish green. Packet, 10 cents. Ounce, 30 cents. ¼ pound, 85 cents. Pound, $3.00.

Danish Ball-Head, or Hollander.—A very solid, hard-heading, heavy variety; an excellent keeper. Ounce, 25c. ¼ pound, 50c. Pound, $2.00.

Copenhagen Market.—The earliest large round-headed cabbage yet introduced. The heads are of exceptionally large size for so early a variety. The plant is of vigorous habit but compact, with short stem and few outer leaves which are of rather upright growth. The leaves are medium light green, nearly round, comparatively thick and smooth. The heads are round, very solid and of exceptionally good quality. Its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combine to make Copenhagen Market the most valuable cabbage of recent introduction. We recommend it unreservedly both for the home garden and the market gardening trade. (See cut.) Packet, 10 cents. Ounce, 60 cents. 2 ounces, $1.00 ¼ pound, $1.75. Pound, $6.00.

CABBAGE—Continued.



LATE FLAT DUTCH CABBAGE

Surehead Cabbage.—Produces large, round flattened heads of the Flat Dutch type and is remarkable for its certainty to head. It is very sweet flavored, has but few loose leaves, keeps well, is good for shipping, and is just the variety and quality to suit market gardeners, farmers, and all lovers of good cabbage. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

All Seasons.—Heads very large, round, solid and of fine quality, keeping as well as the Winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Autumn King or World Beater.—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of **enormous size,** and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

SAVOY CABBAGE—Drumhead

Premium Late Flat Dutch

This variety is largely grown for late or main crop, being the favorite market variety. Heads very large, solid and broad, with flat tops; of fine flavor and quality, very short stems. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $2.00.

Savoy Cabbage

The Savoy or Curly Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.

Improved American Savoy.—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoys for home use or market. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

RED DUTCH CABBAGE

Large Red Drumhead (extra selected.)—Although many so-called new varieties have been introduced, there is none, we believe, superior to our strain of Large Red Drumhead. Wherever tried it has given universal satisfaction. Heads are large, round, very solid, and of a deep-red color. Ninety-five per cent will form extra fine heads. Excellent for pickling. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.75.

SEEDS AND IMPLEMENTS

CARROTS Mohren, Ger.

1 ounce to 150 feet of drill. 2½ pounds to an acre.

Culture—Follow directions given for Beets and parsnips, as there is no difference in the method of cultivating these roots. For early crop sow in March, for late crop in May or June.

Danvers Half Long Point Root Carrot

Early Scarlet Horn.—Small, but early. Best for forcing; Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Danvers Half-Long Stump Rooted.—A new variety of decided merit; rich in color and of handsome shape. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, $1.00.

Danvers Half-Long Pointed Root.—Early and very beautifully shaped; very rich in color and best for main crop. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Chantenay, Half-Long.—Resembles the Nantes, with larger shoulders, medium early and heavy cropper; one of the best for market. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Improved Long Orange.—Deep orange color, long, smooth, most popular for general crop. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

St. Vallery, or New Intermediate Carrot.—One of the best main crop carrots. It is noted for its smoothness of shape, its tenderness of flesh, and beauty of color. Packets, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Cress, or Peppergrass—Kreffe

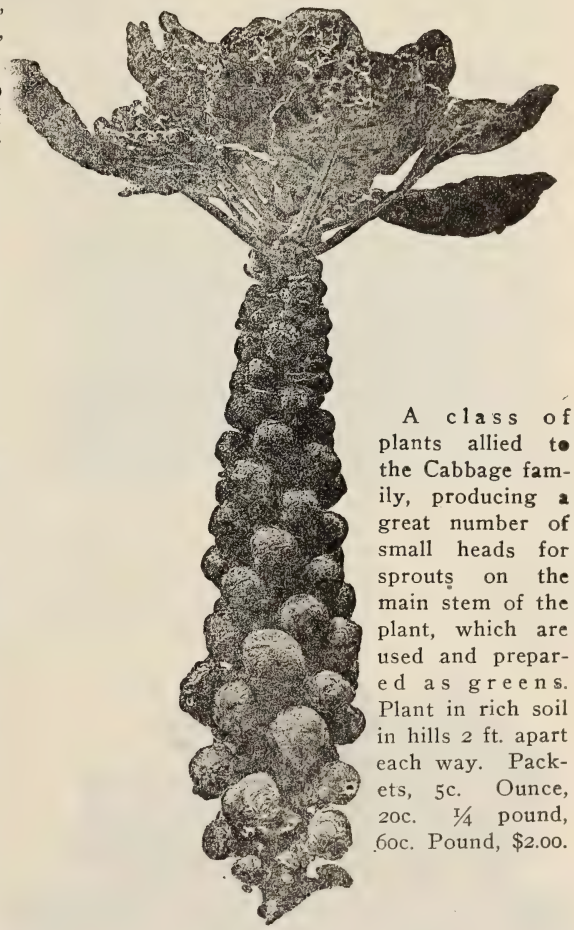
One ounce will sow sixteen square feet.

Culture.—Can be sown at any time in hotbed, coldframe or outside, according to the season. Cover seed about one-quarter inch and sow thickly. Sowings can be made every few days, as it has to be used young, as it runs to seed quickly. Watercress sow in shallow water beside running stream.

Extra Curled.—The most popular variety for market; excellent flavor. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 65c.

Watercress.—Cultivated by sowing the seed by running water or near a spring which is not severely frozen through the Winter. Pkt. 10c. oz. 35c., ¼ lb. $1.00.

Brussels Sprouts



A class of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. Plant in rich soil in hills 2 ft. apart each way. Packets, 5c. Ounce, 20c. ¼ pound, 60c. Pound, $2.00.

SPROUT: Amager Market

Celeriac (Knoll Cellerie)

or Turnip-Rooted Celery

One ounce will sow a bed of nine square yards

New Large Smooth.—A new and quite distinct sort, the roots being very smooth, large and round. Roots may be cooked and sliced, and eaten with vinegar. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.25.

CELERY Sellerie, Ger.

1 ounce to 3,000 plants. 10 to 15 ounces to the acre.

Sow the seed in a well prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. Make the soil very rich with well rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots.

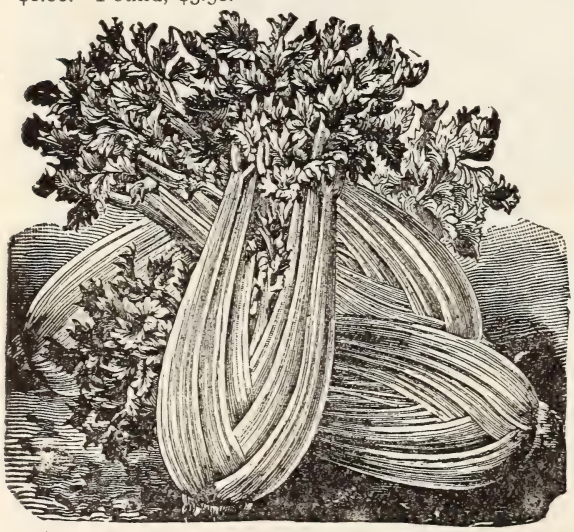
Boston Market.—Short and bushy, making a solid bunch. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

Improved White Plume.—An early self-blanching variety, very popular for fall and early winter use. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25.

Dwarf Golden Heart.—Very solid and excellent keeper, and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

Giant Pascal.—A green leaved variety which developed from the Golden Self- Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25.

Golden Self-Blanching.—This is the best Celery for early use. This variety is now the leading sort in all markets as an early Celery. The stalks are much broader and heavier than those of the White Plume, and greatly superior in quality. Packet, 10c. Ounce, 30c. ¼ pound, $1.00. Pound, $3.50.



DWARF GOLDEN HEART

NEW GOLDEN SELF-BLANCHING

GOLDEN SELF-BLANCHING

French Grown, Superior Stock, Unsurpassed

We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years, and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender, flavor is delicious, has large heart, grows medium height, and is without doubt the best early Celery on the market. The demand for our strain of this variety is increasing every year, and we advise our customers to order early, as supply is limited on account of short crop. We are confident you cannot obtain anywhere a strain of Golden Self-Blanching Celery Superior to our own particular selected French-grown seed. Packet, 10c. Ounce, 75c. ¼ pound, $3.00. Pound, $10.00.

CAULIFLOWER

BLUMENKOHL, Ger.

One ounce produces about 3,500 plants.

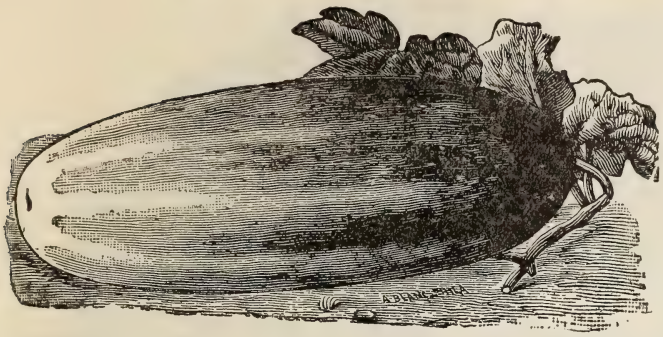
Extra Early Dwarf Erfurt

Best for Forcing and Good for Open Ground. Dwarf and very solid, with short outside leaves. Can be planted twenty inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. Packet, 15c. Ounce, $2.00.

Early Snowball.—Our strain of this popular variety is unequaled. It is one of the best for forcing under glass or for the open ground; a sure header. Packet, 15c. Ounce, $2.25.

SEEDS AND IMPLEMENTS

CUCUMBER Gurke, Ger.



1 oz. to 50 hills. 1 to 2 lbs. to an acre.

Culture.—For growth of cucumbers, hills are raised, standing five feet apart. Quite rich, sandy soil is best. If necessary enrich the hills with a mixture of sandy soil and strong rotted manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as the young plants are often destroyed by bugs.

Soon as the plants attain vigor, thin them, leaving the three most promising; if practicable water during the drought; keep soil loose and free from weeds.

Improved Early White Spine or Arlington.—A selection from the White Spine, being more pointed at each end. The young fruits are usually crisp and tender, and are of very dark-green color, so that the variety is considered by many to be the best for small pickles. Packets, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

London Long Green.— Is the standard late sort, quite crisp and of good size; it is not so early as the spine, but is more desirable for a late crop. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Gerkin or Burr.—Used only for pickling. Packet, 5c. Ounce, 20c. ¼ pound, 40c.

The Davis Perfect Cucumber.—As a forcing Cucumber the Davis perfect has no equal. Its excellent eating qualities, shape, color and productiveness place it without a rival. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, 75c.

New Davis Perfect Cucumber

Perfected Jersey Pickle.—New and fine. The best pickle. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Cool and Crisp.—A very early and prolific variety. Fruit is long and good shape, dark green in color; it shows knobs bearing spines more than most varieties. It is a good home variety as well as an attractive market sort. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, 75c.

BLACK BEAUTY EGG PLANT

EGG PLANT

Eierfrucht, Ger.

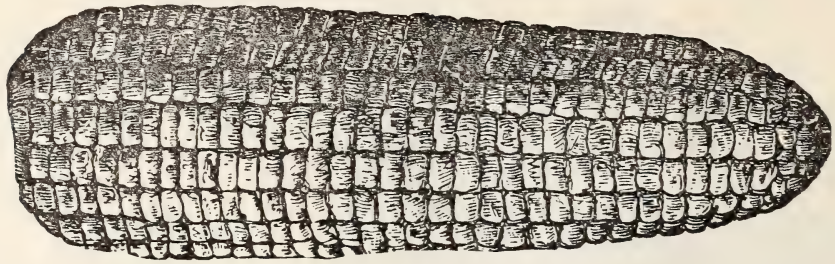
1 oz. will produce 1,000 plants.

Sow in March in hot-bed, and transplant when two inches high into a second hot-bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well rotted manure and hoe often.

New York Improved Spineless.—Best New Jersey gardners' selection. Oval shape, thornless, dark purple color and rich flavor. Packet, 10c. Ounce, 25c. ¼ pound, 90c. Pound, $3.00.

Black Beauty Egg Plant.—The New Black Beauty combines in itself many characteristics which are very valuable in this vegetable. In the first place, it is very early; in fact, the earliest good market variety. By this we mean it is the earliest variety that grows to a good size suitable for market purposes. Packet, 10c Ounce, 25c. ¼ pound, 90c. Pound, $3.00.

SWEET OR SUGAR CORNS



Premo

The Earliestof all Sweet Corns; from 5 to 7 days earlier than Extra Early Adams. Remarkably hardy for a sweet corn and can be planted earlier than other sorts. Considering its extreme earliness the ears are remarkably large and usually borne two to the stalk. In quality and sweetness it is all that can be desired of an extra early corn. Pkt., 5c.; qt. 25c.; peck, $1.25; bushel, $4.50.

Kendel's Early Giant Sweet Corn.—This is not a mere novelty, but is of real merit. Ears large, measuring 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. Quart, 20c. Peck, $1.00. Bushel, $3.50.

Peep o' Day.—The earliest variety; very sweet and of delicious flavor. Ears twelve-rowed, averaging 6 inches in length; stalks 3½ to 4½ feet high, bearing from two to four ears each. Quart, 20c. Peck, $1.00. Bushel, $3.50.

Adams' Extra Early.—The hardiest and earliest variety for the table use. It can be planted earlier than any other, but it is not a sweet corn; white indented grains and short ears. 25c. dozen. Quart, 20c. Bushel, $2.25.

Golden Bantam.—Probably the very earliest variety grown. Very sweet, none better for the home garden for first early. Quart, 25c. Peck, $1.25. Bushel, $4.50.

New Champion.—This is a comparatively new variety, only having been on the market for a few years, and has proven to be a valuable early variety. It is medium early in ripening, and produces large ears. Quart, 20c. Peck, 90c. Bushel, $3.00

Stabler's Extra Early.—A new variety, of larger size than usual for the early kinds. It is remarkable for sweetness and earliness. A desirable canning variety. Quart, 20c. Peck, 90c. Bushel, $3.00.

Country Gentleman.—A new corn of merit and desirable for family use. The grains are irregular, compact and sweet. Quart, 22c. Peck, $1.00. Bushel, $3.50. Ears, 40c. dozen.

Metropolitan.—A few days later than the Cory, ears larger and of better quality. One of the best extra-early sorts. Packet, 10c. Pint, 15c. Quart, 25c. Peck, $1.25. Bushel, $4.00.

Black Mexican.—Surpassed by none in quality and tenderness. When cooked is almost white; the ripe ear is black or blue black. Highly esteemed for family use. Qt., 25c. Pk., $1.00. Bu., $3.50.

Stowell's Evergreen.—See illustration engraved from a photograph of an ear of our improved strain. The seed which we offer is free from glaze and flint, and has been grown completely isolated from all other varities. Quart, 20c. Peck, 90c. Bushel, $3.00 Ears, 40c. dozen.

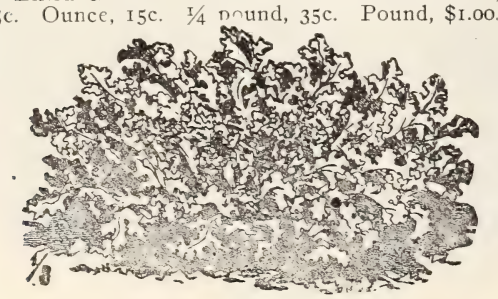
Mammoth Late.—This produces the largest ear of any, a single ear sometimes weighing two or three pounds. It ripens a little later than the Evergreen, with larger cobs, the kernels being flatter, not horse-tooth shape. Quart, 20c. Peck, $1.00. Bushel, $3.00. Ears, 40c. dozen.

ENDIVE **Enviven, Ger.**

1 oz to 200 ft. of drill. 3 lbs. to an acre.

CULTURE.—June or July select a bed of good soil, drill fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds and hoe liberally.

Extra Green Curled.—It is the best. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.



FINE GREEN CURLED ENDIVE

KOHL RABI **Kohl Rabi, Ger.**

1 oz to 200 ft. of drill. 1½ lbs. to an acre.

CULTURE.—Sow in April in rows eighteen inches apart, thinning out to eight inches between plants.

Early White Vienna.—This forms a bulb above ground, and its flavor mingles the peculiarities of the cabbage and turnip. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.50.

KALE OR BORECOLE

1½ to 2 pounds to an acre.

Curled German.—Curly, dwarf, hardy and a rapid grower. Packet, 5c. ¼ pound, 10c. Pound, 30c.

New Imperial, or Long Standing.—Slow seeder, hardiest for gardeners; superior to all other; sorts in vigorous habit; bright green color. Packet, 5c. ¼ pound, 10c. Pound, 35c.

SEEDS AND IMPLEMENTS

LETTUCE—Lattich Salat

One ounce will sow 100 square feet or 120 feet of drill

Culture.—For Winter use sow in greenhouse or hotbed and cover seed very lightly. Transplant first to three inches apart and then to eight inches. For outside use sow in rows, covering ed one-quarter inch, the rows hteen inches apart, then thin out nts to eight inches in row.

ay King A recent variety of great value on ac- t of its extreme earliness, large and tenderness. Will head with as well as out-of-doors, though ns a better size with open air cul- Has a globular-shaped head of rmous size, hard and well closed. A decided acquisition. Packet, 5c. oz., 15c. ¼ lb., 40c. lb., $1.25.

BIG BOSTON LETTUCE

Deacon Lettuce.—Large solid, long standing summer lettuce. Heads light green in color, and very pleasing to the eye. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Hubbard Market.—A large heading variety, good for either forcing or sowing in open ground. Pkt. 5c. Oz., 15c. ¼ lb., 35c. Lb., $1.25.

New Golden Queen.—Popular for forcing. Pkt., 5c. Oz., 15c. ¼ lb., 35c. Pound, $1.00.

California Cream Butter.—Outside leaves are of medium green color, and inside is folded a solid head of rich, creamy yellow color. It is considered by growers one of the best in cultivation. Oz., 15c. ¼ lb., 35c. Pound, $1.00.

Improved Big Boston.—Identical in color, shape and general appearance as the Boston Market Lettuce, but double in size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort, desirable either for cold frames or open ground planting. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.00.

Salamander.—B. S.—Compact, tender heads, resisting summer heat. Packet, 5c. Ounce, 15c. ¼ pound, 30c. Pound, $1.00.

Boston Market, or Tennis Ball.—This variety is used specially for green-house and hotbed culture, because it can be planted very close. It grows very compact, fair size, heads slightly tinged with red on edge of leaves. Pkt., 5c. Oz., 15c. ¼ lb., 30c. Pound, 85c.

Immensity.—A very large heading variety, one of the largest of the cabbage sorts and almost a third larger than California Cream Butter, which it resembles in color and shape. Pkt., 5c. Oz., 15c. ¼ lb., 35c. Pound, $1.00.

CURLED OR CUTTING VARIETIES.

Early Curled Simpson.—Very early, largely grown in cold frames. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

Black Seeded Simpson.—One of the best curled varieties, withstanding the summer heat. Pkt., 5c. Oz., 15c. ¼ lb., 35c. Pound, $1.00.

ROMAINE OR COS LETTUCE

New Trianon Cos, or Celery Lettuce.—The finest of all the Cos sorts; leaves when bleached are stiff like celery stalks, and can be eaten in the same manner. Ounce, 15c. ¼ pound, 30c. Pound, $1.00.

LEEK Lauch, Ger.

Broad London, or Large American Flag.—Best American-grown seed. Packet, 5c. Ounce, 15c. ¼ pound, 35c. Pound, $1.25.

CANTALOUPE OR MUSK MELON

One ounce will plant about 50 hills. .2 or 3 pounds in hill per acre.

Culture.—Plant seed in hills 5 to 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated. The quality of Muskmelons is affected very much by weather conditions.

..**Acme or Baltimore Cantaloupe.**—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and never **bursts open at blossom end**. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, 85c.

Extra Early Hackensack.—It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Rocky Ford Netted Gem.—Our stock is specially grown for us in the famous Rocky Ford melon district, and is a particularly valuable strain for shippers. It is uniform in size, thickly netted, distinctly ribbed, firm-fleshed and of most delicious flavor. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Emerald Gem.-Medium size, nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

EXTRA EARLY HACKENSACK.

Burrell's Gem.—Originatel in Rocky Ford, Colo., the home of the celebrated Rocky Ford Melons. This is very similar to Rocky Ford, excepting it has a yellow, or salmon-colored flesh instead of the green flesh. It grows to a very desirable size, is closely netted, slightly ribbed, with a dark green skin. The flavor is all that can be desired; very rich, sweet and tender. This melon is an excellent shipper and one of the best yellow-fleshed varieties. Packet, 5c. Ounce, 10c. ¼ pound, 30c. Pound, 85c.

The Paul Rose, or Petoskey.—It is a cross between the Osage and Netted Gem, and combines the best features of the originals. The fruit is oval, medium size, dark exterior, thickly netted; with rich salmon flesh, so thick as to nearly close the seed cavity. Packet, 5c. Ounce, 10c. ¼ pound, 25c Pound, 75c.

Tip Top.—For splendid eating qualities this melon is certainly rightly named, for it is one of the most delicious flavored and finest table melons in existence. It grows to a large size, has thick orange flesh and is sweet, juicy and of the finest flavor even close to the rind. Packet, 5c. Ounce, 10c. ¼ pound, 35c. Pound, $1.00.

Knight, or Maryland.—Ten days earlier than the Rocky Ford, twice as productive and larger in size. The vines are of a stronger, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form, nearly round or slightly oval, and very closely netted. The skin is of a light golden hue when fully ripened. Flesh bright green, luscious in flavor and ripens close to the skin. Originated near Baltimore. For the past two seasons it has brought the highest price in both New York and Boston of any melon shipped from the Norfolk district. The seed we offer is grown from originator's stock. Ounce, 10c. ¼ pound, 30c. Pound, $1.00.

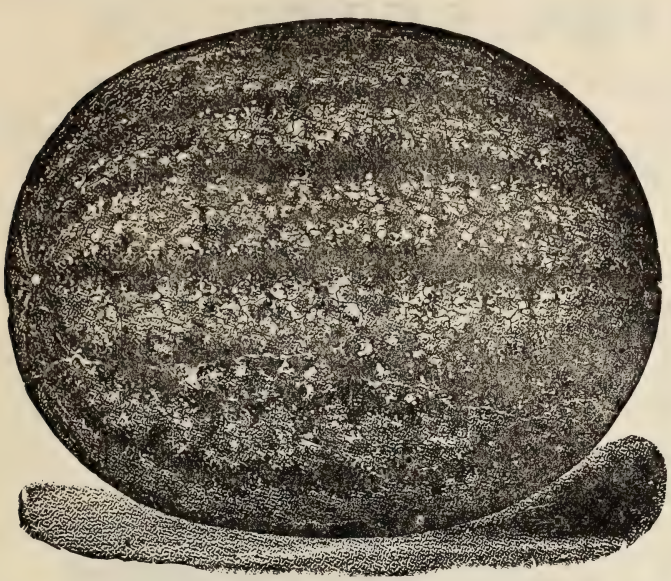
SWEET AIR CANTALOUPE

We know from what we have seen of this melon for the past three seasons that we cannot speak too highly of this melon. It is the sweetest, finest flavored, juciest and best melon ever offered.

It is a little larger than the Rocky Ford, well netted, thick green flesh, small seed cavity. When the other standard sorts have been flat to the taste this has been perfect in sweetness.

It is prolific. The best to grow for profit; the best for table: the best for restaurant: what more can we say. Packet, 5c. Ounce, 15c. ¼ pound, 40c. Pound, $1.25.

SEEDS AND IMPLEMENTS



WATERMELON

Those using larger quantities than one pound of Watermelon Seeds should write us for special prices.

Culture.—Plant in hills six or eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

Harris' Earliest Watermelon.—Sweetest, largest and best shipping early melon. Harris' Earliest Watermelon was originatel by crossing Kolb's Gem with Hungarian Honey, Cole's Early and a small Russian melon of the very finest flavor. The melon is oval to oblong, striped with green and gray; bright red flesh, sweet, tender and delicious. Very productive, often bearing fine melons from July until frost. Ounce, 15c. ¼ pound, 25c. Pound, 75c.

	Per oz.	¼ lb.	per lb.
Cuban Queen.—Early, solid, heavy; skin striped dark and light green	$0 10	$0 15	$0 50
Kolb Gem.—Very large; flesh red; a good shipping sort. Very popular	10	15	40
Sweet Heart.—Oval form; mottled light green skin; red flesh	10	15	50
Florida Favorite.—An oblong melon of fine flavor	10	15	40
Triumph.—Crossed between Duke June and Kolb's Gem; dark green color.	10	15	50
Blue Gem, or Iceberg.—In general size, shape and appearance similar to the Kolb Gem, but the skin is darker and the quality is superior	10	15	50
Halbert Honey.—The strong points in favor of this new Watermelon are its superb flavor, sweetness, tenderness and fine table qualities	10	20	60
Striped Gypsy, or Georgia Rattlesnake.—A large oblong melon	10	15	40
Kleckley's Sweets.—This is one of the earliest melons	10	20	60
Tom Watson, 90 Days.—Long, dark green. More tracery on skin than Kleckley Sweet, and longer. Fine variety	10	20	75

Each of the above Watermelons, 5c. per package.

ONIONS Zwiebel, Ger.

Onion seeds should be sown as early as possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil deeply dug and lightly rolled. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

To raise large onions, select a bed of rich soil, work it deeply and add decayed manure plentifully.

White Silver Skin or Portugal.—The leading sort of white onion. Skin is of a beautiful, clear white color; flavor mild, and a most excellent keeper. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Red Wethersfield.—The best-known and most widely-used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard, and an excellent keeper, as well as a heavy cropper. The color is a bright purplish-red. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25.

Yellow Globe Danvers.—The popular yellow globe onion for market and shipping purposes. Is almost ball-shaped, but a trifle flattened at both ends. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.50.

Southport Large White Globe.—Packet, 10c. Ounce, 25c. ¼ pound, 75c. Pound, $2.50.

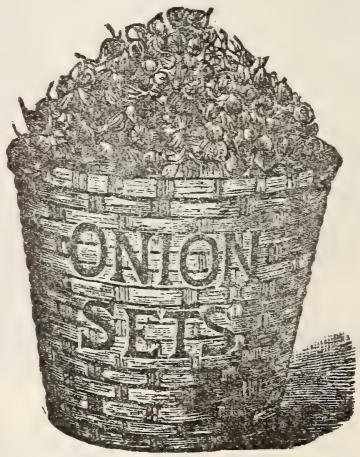
Prizetaker.—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

ONION SETS

One quart to 50 feet of row; eight to ten bushels per acre, according to size of sets.

All onions attain full size and maturity the same season from spring-sown seed, yet many people desire to plant out sets for earliest Onions for the table or to use green or for bunching.
The price per bushel is subject to change with the market; write for quotations.

Yellow Onion Sets.—Grown from our select strain of yellw Danvers. Quart, 15c. 2 qts., 25c. Write for our prices for larger quantities.
White Onion Sets.—Grown from our select strain of White Portugal. Quart, 15c. 2 qts., 25c. Write for prices for larger quantities.



CHOICE GROWN ONION SETS

OKRA OR GUMBO

Culture.—Plant in May, in hills about 3 feet apart, 4 or 5 seeds per hill. When well established, thin out to 2 plants. One ounce to 100 feet of drill; eight pounds per acre.

Perkins' Mammoth Long-podded.—A very large-podded variety, popular with canners and for home use. Quality very fine plants extremely productive of long, slender pods, which remain tender a long time. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

White Velvet.—Pods round, smooth, free from seams, very prolific. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.
Dwarf Green Prolific, or Density.—A very dwarf and prolific variety. Pods green, smooth and thickly set. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

PARSLEY Petersilie, Ger.

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and 1 inch deep. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich, loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.

Extra Dark Moss Curled.—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich, extra dark green coloring Very productive, and most attractive as a garnish, both on account of this deep-green coloring and fine mossy appearance. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 90c.

Fine Double Curled.—Plants of dwarf, compact growth, and the young leaves have the edges heavily crimped, being of quite moss-like appearance. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 90c.

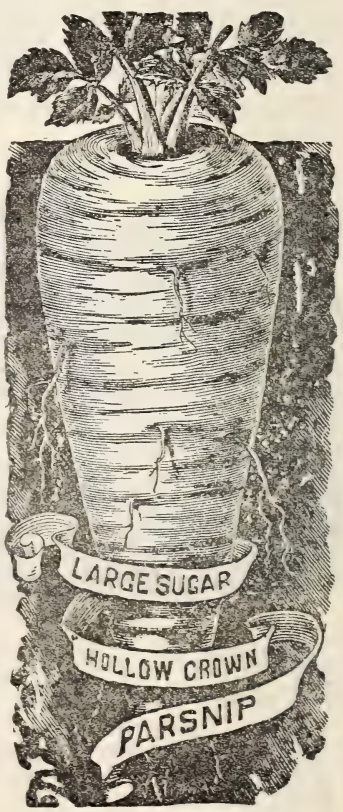
PARSNIPS

-Pastinake, Ger.

1 oz. to 150 feet of drill.

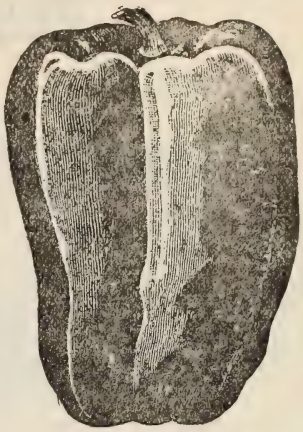
Sow as early in the spring as the weather will permit, in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to six inches apart. To keep well in the ground over winter, draw a little earth over the tops.

Hollow Crown, or Large Sugar.—The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.



SEEDS AND IMPLEMENTS

PEPPER— One Ounce Will Produce About 2,000 Plants



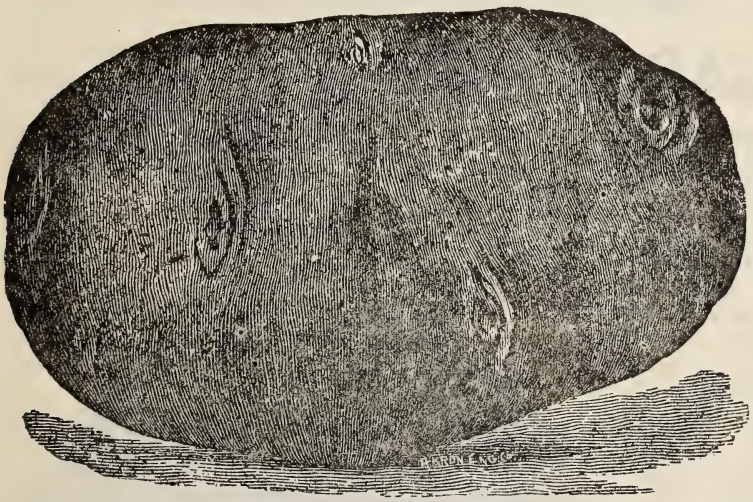
Neapolitan

Culture.—Sow in hot-bed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart; or, when all danger of frost is past, sow in open ground and thin.

Chinese Giant.—The largest and finest mild Red Pepper; double the size of Ruby King. Packet, 10c. Ounce, 25c. ¼ pound, $1.00. Pound, $3.00

	Oz.	¼ lb.	Lb.
Neapolitan Large Early.—Earliest of the large Sweet peppers. Thick-meated and very productive. Packet, 5c. each	$0 20	$0 50	$1 50
Ruby King.—Ideal Pepper for filling and pepperhash. Packet, 5c. each	20	50	1 50
Large Bell, or Bull Nose.—Early, large, red, mild. Packet, 5c. each	20	50	1 50
Long Red Cayenne.—	20	50	1 50

NORTHERN-GROWN SEED POTATOES



All of the Seed Potatoes we sell are grown in the State of Maine, where, it is universally acknowledged, the best seed potatoes are raised, and thousands of carloads are shipped every year from the counties of Holton and Aroostock alone. Farmers and truckers in the Middle and Southern States should renew their Seed Potatoes at least every two years, as by doing so they will realize the advantage of early maturiay and productiveness.

Special prices will be given on application.

IRISH COBBLER.—One of the most reliable first early potatoes ever sent out. It ripens almost with the Early Ohio, and so uniform that every hill seems to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground.

GREEN MOUNTAIN.—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

OHIO or XX EARLY.—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fertilizer; yields well, is free from blight; potatoes come to eatable size very early and eat well.

EARLY ROSE.—For a generation the standard Potato of the whole country for earliest yield, thrift, beauty, and table qualities, because it always succeeds well in any soil in any climate.

EXTRA EARLY BOVEE.—A most desirable new Potato introduced several years ago; has become very popular. Reported 12 days earlier than Early Ohio, and is the earliest Potato we know of.

NEW QUEEN.—A Seedling of the Beauty of Hebron, and resembles it; large, smooth and vigorous grower, of splendid table qualities.

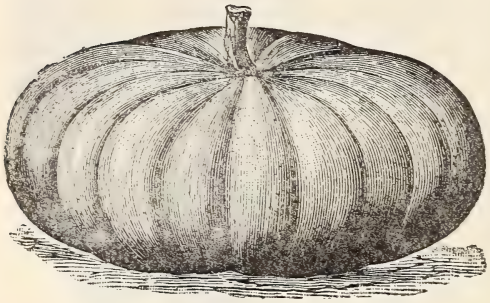
VERMONT GOLD COIN.—A very desirable main crop variety of recent introduction; has proven to be very hardy, of vigorous growth, most productive, of the very best quality.

Sweet Potato Roots and Plants Big Stems and Jersey Roots ready about April 1st.
Big Stems and Jersey Plants ready about May 1st.

Prices quoted on Application.

PUMPKIN Grosse-Kurbis, Ger.

One pound will plant 200 to 300 hills



LARGE CHEESE PUMPKIN

Culture.—The common practice is to drop two or three seeds into every third or fourth hill in the cornfield; may be sown in hills, eight feet apart, each way, four plants to each hill.

Cashaw, or Crookneck.—Large, light cream color, solid and sweet, very fine grained, splendid for table or feeding stock. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Large Cheese.—A good cooking variety, cheese shape, creamy yellow color, flesh fine grained, and one of the best for pies. Price, per packet, 5c. Per ounce, 10c. ¼ pound, 15c. Pound, 50c.

Japanese Pie.—Crooked-neck variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 75c.

Large Connecticut Field.—Hardiest of all Pumpkins, good for pies and stock feeding. ¼ pound, 10c. Pound, 30c. Quart, 25c.

Small Sugar.—Early prolific and very sweet; orange color; fine keeper. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

King of Mammoths.—This giant variety grows to enormous size. Deep yellow, glossy color. Splendid to grow for stock and exhibition purposes. ¼ pound, 25c. Pound 75c.

GARDEN PEAS

WE DO NOT PAY POSTAGE ON PEAS

Our Seed Peas are of the best quality obtainable, being all grown far North, thoroughly cleaned and carefully hand-picked. They are raised from the finest selected strains, and the growing crops are rogued to remove all runners and improper types of growth.

Three Quarts of Seed to 100 Yards of Row. One and a Half to Two Bushels to the Acre.

Culture.—Sow as early as the ground can be worked, and again every ten days or two weeks for succession. They can be sown as late as the 20th of August for the last sowing, using Extra Earlies. Sow in rows about 4 feet apart and 1 inch apart in the row, and 3 to 4 inches deep.

Extra Early Alaska.—The earliest blue pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height two feet. Quart, 30c. Peck, $1.75. Bushel, $6.00.

Nott's Excelsior.—One of the best early Dwarf Peas. It combines the good qualities of the American Wonder and Premium Gem Peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas in sweetness and quality unsurpassed. Quart, 30c. Peck, $2.00. Bushel, $7.50.

American Wonder.—This is a dwarf variety, and leads all others in point of earliness, growing about ten inches high, and produces a profusion of good-sized, well filled pods, with finest flavored peas. Quart, 30c. Peck, $2.00. Bushel, $7.50.

EXTRA EARLY ALASKA

Bountiful, or Ameer—(New).—Extra Early pea. One of the best early peas for the garden. Highly recommended. Quart, 35c. Peck, $2.00. Bushel, $7.50.

SEEDS AND IMPLEMENTS

PEAS—Continued

SHORT CROP PEAS, VERY SCARCE
Prices subject to change without notice

PREMIUM GEM PEAS

Premium Gem.—This variety is nearly as early as the American Wonder, and the very productive vine is decidedly larger, growing to a height of from 15 to 18 inches. The pods are large and crowded with 6 to 8 very large peas of fine quality. Quart, 30c. Peck, $2.00. Bushel, $7.50.

Gradus or Prosperity.—Probably the best extra early pea yet introduced. Only two or three days later than Alaska, and a wrinkled pea of excellent quality. Quart, 35c. Peck, $2.50. Bushel, $9.00

Thomas Laxton. An extra large podded variety.—The plant is a very hardy and strong grower, producing the large size pods in abundance; quality is delicious and cannot be surpassed. Pods very dark green. Quart, 35c. Peck, $2.50. Bushel, $10.00.

Telephone, Improved Stock.—A luscious wrinkled pea-pod, large size, and peas excellent quality; an enormous cropper, grows four feet high. Quart, 30c. Peck, $2.00. Bushel, $7.50.

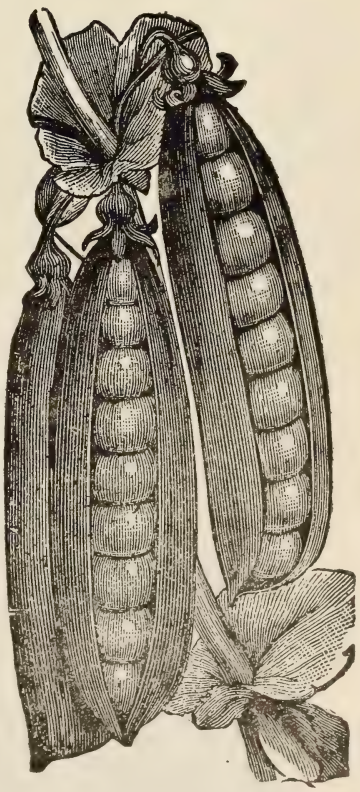
Horsford's Market-Garden.—A first-class wrinkled pea; second early; height 24 inches. Does not require stakes. Is profitable sort for market gardeners; a single plant has been known to produce 150 pods. It is equally good for the home table. Quart, 30c. Peck, $2.00. Bushel, $7.00.

Champion of England.—Wrinkled.—A green wrinkled variety, famous for its delicious flavor. Consider it one of the finest varieties for family use, and will follow any of the second early varieties in ripening. Quart, 30c. Peck, $2.00. Bushel $7.00

Improved Stratagem.—A favorite with Market Gardeners for a general crop pea, strong vines, immense pods, large peas, heavy cropper, true stock. Quart, 30c. Peck, $2.00. Bushel, $7.50.

Dwarf White Marrowfat.— Height three and a half to four feet. Peas large, standard variety. Quart, 25c. Peck, $1.50. Bushel, $5.00.

Black Eye Marrowfat.—25c quart. Peck, $1.50. Bushel $5.00.



TELEPHONE

RADISH Rettich, Ger.

CRIMSON GIANT RADISH

One ounce will sow 100 feet of drill, 9 pounds will sow an acre.

Culture.—Select light, sandy soil; spade deeply and manure well. For early crop, sow in hot-beds in February or March. For main crop, sow at intervals from early spring until last of September, in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few week's growth.

Early Varieties

Crimson Giant.—A large globe-shaped variety of recent introduction. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second early forcing varieties. Highly recommended for outdoor planting. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Early Scarlet Trunip (White Tipped).—Early; fine grain and flavor; round with white tip. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Vick's Scarlet Globe.—A very desirable variety for open ground or for forcing. It is nearly olive shaped, bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra early sorts. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Early Scarlet Trunip.—The old favorite turnip-shaped Radish, of medium size, quick to mature; a very desirable variety. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Early Long Scarlet.—Short tops, long, deep scarlet roots, fine flavor. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

French Breakfast.—A quick growing, oval-shaped radish, light color and white tip. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Long White Icicle.—The popular Long White Radish, very early. The best Long White, Raddish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Long White Vienna or Lady Finger.—This in shape resembles the long scarlet; color snow white; it is of very rapid growth, and remarkably crisp, brittle and tender. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

White Strasburg.—Large white radish, which stands summer heat, handsome shape and pure white color. (See cut.) Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

New Chartier.—The color at top is crimson running into pink at middle, and thence downward to pure waxy white. It will attain a very large size before it becomes unfit for use. Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 40c.

Chinese Winter Rose.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Round Black Spanish Winter.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

Long Black Spanish.—Packet, 5c. Ounce, 10c. ¼ pound, 15c. Pound, 50c.

WHITE STRASBURG RADISH

SEEDS AND IMPLEMENTS

RHUBARB, OR PIE PLANT

Every Home Garden Should Contain Them. **Now is the Time to Plant.**

Very familiarly known as the Pie Plant. The foot stalk is the portion that it used, and is the first vegetable of the season from the garden. Sow the seed early in the spring, in rows 1 foot apart, on rich ground; the second year after planting they can be removed, in autumn, to the permanent spot allotted to them; plant the roots 2 feet apart each way, in ground that is well enriched, at least 2 feet deep. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25. Roots, 10c each. Roots, 75c per dozen; $5.00 per hundred.

Salsify, or Oyster Plant

5 to 8 pounds to an acre

Culture.—Sow early in spring in drills fifteen inches apart; cover with fine soil one and a half inches deep; thin to six inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.

Sandwich Island Mammoth.—A new and improved Salsify. Roots are very large and superior; grown extensively for our large city markets; much superior to other sorts. (See cut.) Packet, 5c. Ounce, 15c. ¼ pound 25c. Pound, 75c.

SPINACH Spinat, Ger.

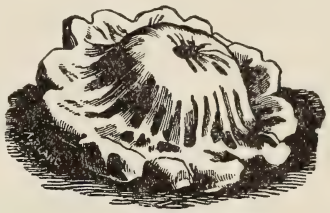
For spring use sow early in drills 1 foot apart, and for succession sow every two weeks. As it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in ground well manured; mulch with straw on approach of severe cold weather. One ounce of seed for 100 feet of drill; 10 pounds for an acre.

New Long Season.—The best for spring sowing, because it will stand longer before running to seed than any other variety. ¼ pound, 10c. Pound, 20c. 10 lbs. or over, 15c.

Bloomsdale Savoy.—Well known and popular with market gardeners. The best and most profitable. Very curly, ¼ pound, 10c. Pound, 20c. 10 pounds or over, 15c.

New Spring.—A valuable sort, its attractive dark green color, long standing and hardy character make it desirable for both spring and late sowing. Ounce, 5c. ¼ pound, 10c. Pound, 20c.

Squash Kurbis Ger.



Early White Bush Squash

Bush sorts, 1 ounce for 50 hills. Running varieties, 3 to 4 pounds, in hills, for an acre.

Culture.—After the weather is settled and warm, plant in hills five to eight feet apart. Rich soil is best, but if necessary the hills alone may be enriched.

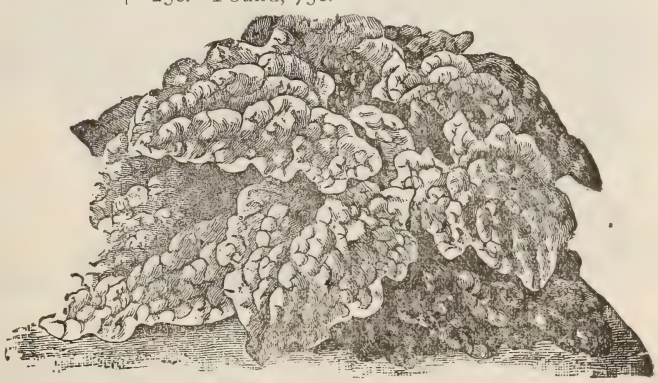
Early White Bush Scalloped, or Patty Pan.—The best for early market use. Preferred for table. (See cut.) Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Summer Crookneck.—Early, fine flavor; a desirable table sort. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Early Prolific, or Orange Marrow.—The earliest of the fall or early winter varieties. There is no variety for fall and winter that can compete with this in earliness and productiveness. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Boston Marrow.—A splendid winter squash of good keeping qualities. Flesh bright orange; fine grain and flavor unsurpassed. It is oval-shaped and thin skin of bright orange color. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 50c.

Hubbard.—A desirable sort, suitable for winter use. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.



True Bloomsdale Curled Savoy Spinach.

P. MANN & CO., WASHINGTON, D. C.

TOMATO Liebesapfel, Ger.

One ounce will produce about 1,200 plants; quarter pound to transplant for an acre.

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market.

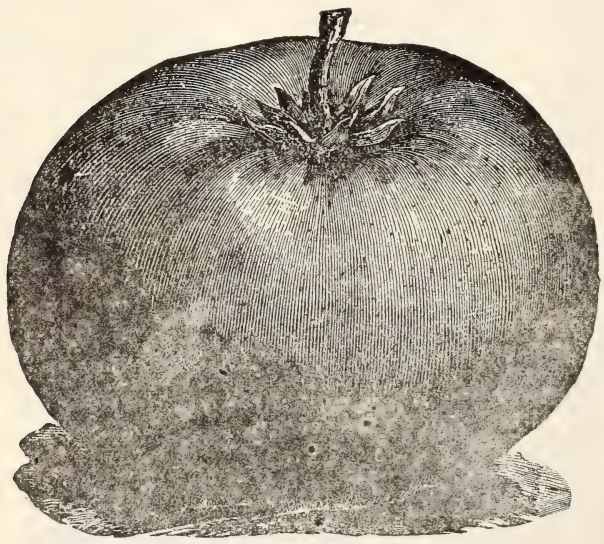
EXTRA EARLY VARIETIES.

Chalk's Early Jewel.—An extremely early variety of brightest scarlet color, deep fruited, very hardy and solid, with few seeds and of excellent flavor. The popular early variety. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Earliana.—The earliest large Tomato. Is not only remarkable in earliness, but for its very large uniform size, handsome shape, red color and wonderful productiveness. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.75.

Acme.—One of the earliest and best purple sorts; of medium size, perfectly smooth, very solid and a great bearer, crimson color with pinkish cast. Packet, 5c. Ounce, 15c. ¼ pound, 50c. Pound, $1.50.

Livingston's Beauty Tomato.—The finest, large-fruited, early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson, with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.



PRIZE-TAKER TOMATO.

RED ROCK.—One of the finest for canning, being extraordinarily solid, smooth and red. No other variety has any better qualities than the Red Rock. Of fine flavor, very meaty and wonderfully free from acid. A heavy producer and good shipper. We think it is the coming Tomato for main crop and canners' use. Packet, 10c. Ounce, 30c. ¼ pound, 75c. Pound, $2.50.

June Pink Tomato.-In habit of growth this is similar to the Earliana. The plant is compact, branching freely; has fruits hanging in clusters. Claimed to be as good a yielder as Sparks' Earliana, and shows no tendency to blight. They are of medium size, uniform, smooth, without cracks of any green core. Per packet, 5c Ounce, 30c. ¼ pound, 75c. Pound, $2.50.

FOR GENERAL CROP.

Prizetaker.—A splendid marketable tomato. Packet, 5c. Ounce, 20c. ¼ pound, 50c. Pound, $1.50.

Dwarf Champion.—This tomato is dwarf and compact in growth, the plants growing stiff and upright, with thick jointed stems and foliage unlike any other tomato. Packet, 5c. Ounce, 20c. ¼ pound, 60c. Pound, $2.00.

Market Gardeners Write for Special Price List.

SEEDS AND IMPLEMENTS

TOMATO—Continued

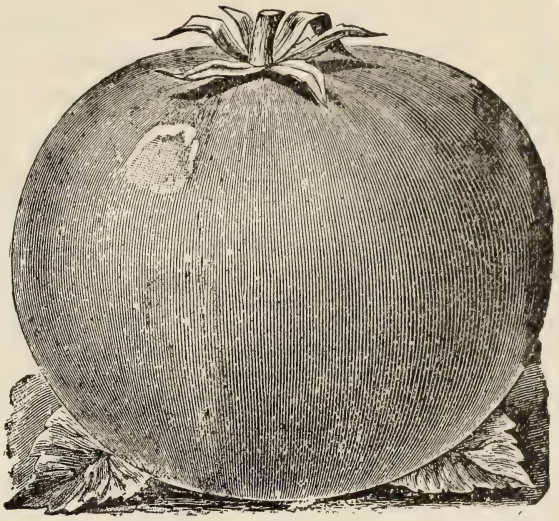
New Stone.—This variety has obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth and thicker from stem to blossom end than most varieties. Packet, 5c. Ounce, 20c. ¼ pound, 40c. Pound, $1.25.

Ponderosa.—It is the largest fruited deep-colored Tomato known, of fine quality, solid, almost seedless and free from acid. The vines are strong, rather open growth; fruits largely oblong in form and deep through. Packet, 5c. Ounce, 25c. ¼ pound, 90c. Pound, $3.00.

Matchless.—One of the best main crop Tomatoes. The solidity, absence of core, size and color of the fruit, together with its freedom from rot, all unite in making this well worthy of the name of "Matchless." Fine both for private and market garden and canning. Pkt., 5c. Oz., 20c. ¼ lb., 50c. Pound, $1.75.

Pear-Shaped Yellow Tomato.—Handsome bright, pear-shaped, yellow fruit. Packet, 5c. Ounce, 25c. ¼ pound, 75c.

Plum-Shaped Yellow Tomato.—Round and regular; bright yellow; used for pickling. Packet, 5c. Ounce, 25c. ¼ pound, 75c.



NEW STONE TOMATO

TURNIP STUKRUBE, Ger.

For early crop sow in latter part of April; for fall and main crop from middle of June until last of August. **One pound is sufficient to sow an acre.**

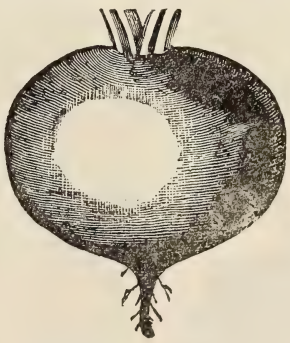
Extra Early Purple Top Milan.-Earliest turnip in cultivation, fit for use a week sooner than others. Suitable for spring or fall planting. Bulb forms very rapidly, making but few and small leaves. The turnips are flat, smooth white with purple top. Pkt., 5c. ¼ lb., 30c. Lb. $1.00

Improved American Purple-Top Ruta-Baga.-Very hardy and productive; flesh yellow, solid and sweet; good for table use or stock Ounce, 5c. Pound, 40c.

YELLOW ABERDEEN.- Hardy, good keeping turnip; yellow flesh and very productive. Oz. 5c. Pound, 35c.

Rutabaga or Swede

Orange Jelly or Golden Ball.—Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and of most excellent flavor. Packet, 5c. ¼ pound, 10c. Pound, 40c.



Purple Top Globe

Purple Top Strap Leaf.— A white, flat, strap leaf turnip, with purple top; mild flavor, and very popular for early use and general crop. Oz. 5c. Lb., 35c.

Purple Top White Globe.--A standard white variety, with purple top, handsome globe-shaped, and heavy cropper; leading turnip among truckers and gardeners. Oz., 5c. ¼ lb., 15c. Pound, 35c.

Amber Globe.—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock. Ounce, 5c. Pound, 35c.

NOTICE

The greatest care is taken to supply every article true to name, and of the very best quality; at the same time it is understood that we do not warrant our seeds and that we are not in any respect responsible for any loss or damage arising from any failure thereof.

P. MANN & CO., WASHINGTON, D. C.

High Grade Flour Seeds

Containing all those sorts known to be desirable and worthy the attention of professionals and amateurs

PACKET DISCOUNT.

We sell six 5-cent packets of seeds for 25 cents. Thirteen 5-cent packages for 50 cents. 10-cent packets count as two 5-cent packets.

All Flower Seeds mailed free on receipt of price quoted. Cultural directions on each packet.

Asters.—Of all garden flowers from seed there is none that gives more satisfaction than the Aster. There is an early, medium and late sort now of rare beauty, so that you can have flowers from June until frost. Our sorts are the best. Packet,, 5c.

Alyssum, Sweet.—Of dwarf, compact habit, four to six inches in height. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late in autumn. Packet, 5c.

Amaranthus (Joseph's Coat).—Tricolor; a hardy annual with leaves of red and green; well known as "Joseph's Coat." The colors being especially brilliant if grown in rather poor soil. Packet, 5c.

Balloon Vine.—Remarkable for its inflated membraneous capsules containing the seed. It is sometimes called "Love-in-a-Puff." A rapid and graceful climber. Flowers white. Tender annual; six feet high. Packet, 5c.

Balsam (Lady's Slipper, or Touch-Me-Not).—Our Camellia-flowered strain produces the finest double blooms, and is quite a revelation compared with the old varieties. Sow in rich soil for the finest blooms. Packet, 5c.

Calliopsis, or Coreopsis.—Very showy border plants, producing in great profusion and for a long time flowers which are bright yellow and rich brown, either self-colored or with these colors and red contrasted. Packet, 5c.

MIGNONETTE

Canary Bird Flower.—A beautiful climber with curiously-shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Packet, 5c.

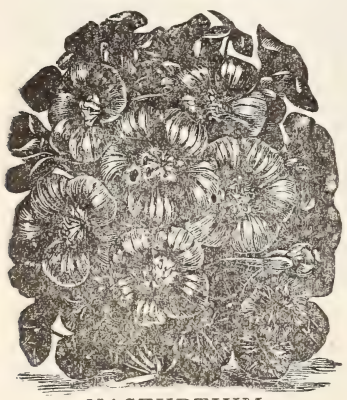
Candytuft.—Showy, branching plants six to eighteen inches high. Indispensable for cutting and very effective in beds or masses. If sown in spring will blossom from July to September, or in the fall will blossom from May to July. Hardy annual. Fine mixed. Packet, 5c.

Marguerite Carnation.—The plants of this wonderfully fine strain may be made to flower in four months. The flowers are large, double and very fragrant, and appear in very attractive shades of color. One of the best "pinks" in cultivation. Packet, 5c.

Centaurea.—(Batchelor's Buttons.) Popular Everlastings, bearing hundreds of clover-like heads of different colors. Useful also for bedding and borders. Packet, 5c.

Castor Bean, or Ricinus.—Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue and long spikes of scarlet, or of green, prickly fruit. Of very quick growth in rich soil. Tender annual; six to fifteen feet high. Packet, 5c.

Cosmos.—Of all fall flowers there is none that has become so popular as Cosmos. Sow the seed in March, April and May, and will bloom in September. Does best in light, rich soil, in sunny places; grows about 7 feet high. Flowers are borne on long stems in clusters of pink, dark pink and white colors. Fine for house and church decorations. Packet, 5c.



NASTURTIUM

Convolvulus Minor.—(Dwarf Morning Glory.) Dwarf plants of trailing, branching habit, each covering a space about two feet in diameter. At midday they are completely covered with a mass of pure white and brilliant, many-colored blossoms, which remain open in clear weather till evening. Half hardy annual; one foot high. Mixed, packet, 5c.

Cypress Vine.—A most beautiful climber with delicate, dark green, feathery foliage, and an abundance of bright, star-shaped, rose, scarlet or white blossoms, which contrast most effectively with the graceful foliage. Tender annual; about 15 feet high. Mixed, packet, 5c.

Four O'Clock.—(Marvel of Peru.) The plants are large, and each needs three or four feet of space each way for its best development. The flowers are funnel shaped, white, red, yellow or striped with these colors, and open about 4 o'clock in the afternoon. Packet, 5c.

Forget-Me-Not.—(Myosotis.) A favorite old-fashioned flower bearing in profusion clusters of blue blossoms. It thrives well in the shade or open border. Hardy perennial. Packet, 5c.

SEEDS AND IMPLEMENTS

FLOWER SEEDS—Continued

Eschscholtzia.—(California Poppy.) The State flower of California. A genus of the Poppy family, fully as valuable as the common Poppy for garden ornamentation, as it blooms almost continually throughout the season. A bed of these in full bloom is most handsome and beautiful in color. Hardy annuals; height, one foot. Mixed, packet, 5c.

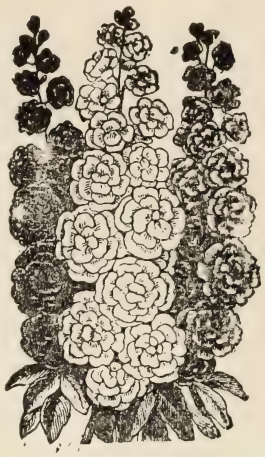
Foxglove.—(Digitalis.) Grows to the height of three or four feet, affording dense spikes of brilliantly-colored flowers which are terminal and half as long as the height of plant. Colors white, lavender, and rose. A valuable flower in every perennial garden; does not usually blossom until the second year. Hardy biennials or perennials. Packet, 5c.

Gourd.—(Cucurbita.) A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth, they are fine to cover old fences, trellises, stumps, etc. Tender annual; 10 or 20 feet high.

Dish Cloth.—A rapid climber, having long, green fruit, the inside fibrous mass of which, when the shell and seeds are removed, makes an excellent bath sponge. Packet, 5c.

Orange.—The well-known Mock Orange. Packet, 5c

Pear Shaped.—Striped yellow, green and cream. Packet, 5c.



HOLLYHOCK

Heliotrope.—Highly valued for the fragrance of their flowers and duration of bloom. Half hardy perennial, blooming the first year from seed. Dark varieties. Mixed, packet, 5c.

Hollyhock.—The most majestic of hardy plants of the garden. When planted in rows in the garden or among shrubbery the effect is beautiful. Packet, 5c.

Larkspur (Delphinium).—An old-fashioned, very choice, especially hardy annual which increases in beauty each year. Vast improvements have been made by careful selection and attentive culture in size and color of the blossoms. Packet, 5c.

Lobelia.—The dwarf and trailing varieties are fine for bedding, borders or hanging baskets; blooms profusely from June until November. Packet, 5c.

Marigold.—One more of the old-time favorites; an annual of easy culture, extremely effective, suited well for bedding in masses. Packet, 5c.

Mignonette.—Few ladies would think that a garden was complete without Mignonette. For fragrance and beauty there are few flowers that are as universally admired. Packet, 5c.

Moon Flower (Ipomea Grandiflora).—At night and dark days the plants are covered with an abundance of large, pure white fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly, and will cover a very large surface. Packet, 10c.

Morning Glory.—Climbers of rapid growth bearing flowers of all possible shades. So well-known it needs no description. Packet, 5c.

Morning Glory (Imperial Japanese).—They are unquestionably the handsomest climber vine in existence. Easily cultivated, can be sown in open ground in a sunny situation as soon as the weather is warm. The flowers are very large and most beautiful. Packet, 5c.

Nasturtium.—For easy culture and general satisfaction there is nothing that excels the Nasturtium. Brilliant in color and of great variety. A bed of these fine bloomers adds tone and elegance to any flower garden.

PINK

Nasturtium, Tall Sorts.—Mixed. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Nasturtium, Dwarf Sorts.—Mixed. Packet, 5c. Ounce, 10c. ¼ pound, 25c. Pound, 75c.

Pansies.—Our selection of this well-known flower is, we believe, the best that is offered anywhere for size, variety and beauty, and have no equal. To grow pansies and secure the largest and best flowers, the seed should be sown in January and February in the greenhouse or in boxes in the house. Packets, 5 and 10c.

Petunia.—Petunias are unsurpassed for massing in beds. Their richness of color, duration of bloom and easy culture will always render them popular. The modern improved varieties are in this mixture. Packet, 5c.

Poppy (Papaver).—Well-known hardy annuals and perennials, flowering in great profusion throughout the summer. Sow early in the spring where the flowers are to bloom, and cover lightly. Packet, 5c.

See Other Side for Flower Seeds

P. MANN & CO., WASHINGTON, D. C.

FLOWER SEEDS—Continued

Portulaca.—There are few flowers in cultivation that make such a dazzling display of color in the bright sunshine as a bed of portulacas. They are in bloom from about the first of July till killed by frost in autumn. Fine mixed. Packet, 5c.

Salvia Splendens (Scarlet Sage).—Large, brilliant scarlet flowers are in these plants afforded a rich dark green background of dense foliage. This variety is most generally used in parks and on extensive lawns. Packet, 10c.

Sweet William.—A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors, deliciously sweet scented. Nothing surpasses this old rugged favorite for clumps or borders. Hardy perennials; about one foot. Packet, 5c.

Verbena.—Flower produces a mass of flowers from spring to late fall. Our strain is as fine as the world produces. Large flowers and free blooming. Packet, 5c.

Wallflower.—Well-known, very fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; prized for bouquets. Packet, 5c.

Zinnias.—One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form moderate sized dahlias. Choice mixed, packet, 5c.

SWEET PEAS

Eckford Mixed.—All colors. Packet, 5c. Ounce, 10c. ¼ pound, 20c. Pound, 60c.

Bulbs are not sent Postpaid.

SUMMER FLOWERING BULBS

CALADIUM ESCULENTUM.—Elephant's Ear. One of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed for foliage in the garden. Large-sized bulbs, 15c and 25c each. Medium-sized bulbs, 10c.

CANNAS.—The Canna is one of the most beautiful of all bedding plants. No other plant is better adapted to our climate, and nothing, costing so little, excels them for masses and beautiful foliage, as well as the abundance of dazzling bloom in many shades. Plant out doors about the middle of May, if the weather is warm and settled. When planting out the bulbs do not water too freely until well started; then they should have an abundance. Set the bulbs 1 to 2 feet apart, according to circumstances. Roots, 5c each. 50c a dozen.

DAHLIAS.—The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely-arranged bouquet of long-stemmed Dahlias. Each, 10c. Dozen, $1.00

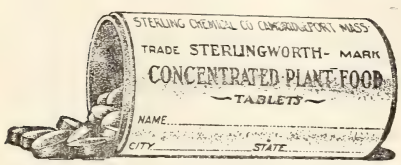
GLADIOLUS.—One of the most attractive of summer flowering bulbs. Excellent for mixed beds, and produce gorgeous effects if massed in large clumps. For a succession of bloom throughout the summer plant at intervals from April till June. Extra-sized bulbs, per dozen, 20c. Per 100, $1.25.

MADEIRA VINE ROOTS.—On account of its very rapid growth and thick shade, this is one of the most popular climbers. Will run twenty feet or more in a season. Each 5c. Dozen, 30c. 100, $2.25.

TUBEROSE.—The Tuberose is a beautiful pure white, waxlike, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more flowers. Our Tuberoses are all first-sized, and splendid bulbs. Per dozen, 20c. Per 100, $1.25.

SAERLINGWORTH PLANT FOOD TABLETS

A New, Scientific, Odorless Fertilizer for House Plants and Vegetables



Sterlingworth Plant Food Tablets are a safe, clean, odorless, concentrated Plant Food in tablet form. They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a healthy, vigorous growth of branch, leaf and flower. They are readily soluble in water and contain an insect-driving ingredient which keeps injurious bugs and worms from the soil. Medium size (100 tablets), sufficient for 35 plants three months. Price, 25 cents, postpaid. Small or trial size contains 30 tablets. Price 10c postpaid.

Blatchfords' Plant Grower and Land Renovator

For Window Plants, Ferns, Etc.

We prepare a specially compounded and highly concentrated form of BLATCHFORD'S PLANT GROWER for convenient use about the house. It is non-odorous, and one teaspoonful of it dissolved in one quart of water makes the most perfect and efficient plant food.

Directions for use and for the care of House Plants with every can.

1½ lb. Metal Cans, 25 Cents.

SEEDS AND IMPLEMENTS

GRASSES AND CLOVER SEEDS

..Owing to Market Fluctuations We will Give .Special Quotations for Bulk Seeds

Timothy (Phleum pratense.) A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils it will produce more than any other sort. ¼ to ½ bushel per acre. Bushel, 45 pounds.

Orchard Grass (Dactylis glomerata.) One of the very best pasture grasses, as it is exceedingly palatable to stock, and will endure a good deal of cropping. 1½ to 2 bushels per acre. Bushel, 14 pounds.

Kentucky Blue Grass Is the most nutritious, hardy and valuable of all northern grasses. For meadow or pasture, sow about 28 pounds per acre. Sow early in the spring or in October or november. Bushel, 14 pounds.

Rhole Island Bent (Agrostis canina.) A fine and very permanent grass, chiefly used for pastures or lawns, for which it is one of the best. Bushel, 14 pounds.

German or Golden Millet Medium early forage plant, prolific in stalk and grain. 25 pounds to an acre. Bushel, 50 pounds.

Red Top Fancy (Cleaned from chaff.) It is a good, permanent grass, standing our climate well, and makes good pasture when fed close. Is valuable for low, wet meadows, producing a large return in good hay. Sow in spring and fall, 8 to 10 pounds per acre. Bushel, 14 pounds.

CLOVER SEEDS

Medium Red (Trifolium pratense.) Excellent for pasture or hay; valuable as a green manure, and should be in all grass mixtures. Eight to ten pounds per acre when sown alone.

Alsike or Swedish (Trifolium hybridum.) Thrives in rich, moist soil. Does not succeed on high, dry lands. Six lbs. per acre.

Scarlet or Crimson (Trifolium incarnatum.) Most valuable crop for green manuring, soiling, hay, pasture and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils, and is the cheapest and best fertilizer. Being a winter crop, it should be sown in August and September. Sow 10 to 15 pounds per acre. Bushel, 60 pounds.

Alfalfa or Lucerne (Medicago sativa.) Where this succeeds it is the most valuable of all the clovers; requires a very fine, mellow, deep soil. Sow 20 pounds to the acre.

Mammoth Red (Trifolium pratense.) Used largely for plowing under for manure. By judicious use exhausted lands can be reclaimed, as it will grow where common clover will fail. Eight pounds to the acre.

White (Trifolium repens.) Valuable to mix with lawn grass. Should be in every mixture for permanent pasture.

MISCELLANEOUS FARM SEEDS

Cow Peas Throughout the South this pea has always been valuable for the improvement of the soil, being to the South what clover is to the North. The seed is ground and used for cattle feed. The stalks and leaves make excellent fodder when fed green. It is also highly recommended for ensilage when mixed in silo with green corn stalks. In the north it is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding. Poor, sandy soil may be made into a fertile loam by plowing under a crop of Cow Peas. Plant seed in a thoroughly pulverized warm soil. If wanted to plow for manure, so win drills one foot apart. If grown for fodder or for the seed, plant three and one-half feet apart and cultivate thoroughly.

SORGHUM

Early Amber Cane The earliest and makes the finest quality of forage or syrup. Best seed.

BUCKWHEAT

Sow at the rate of 1 bushel per acre broadcast in June, July, or in early August.

New Japanese This new sort has proven to be much earlier and more productive than any other variety. Grains very large and rich brown color. It excels all in yield and earliness.

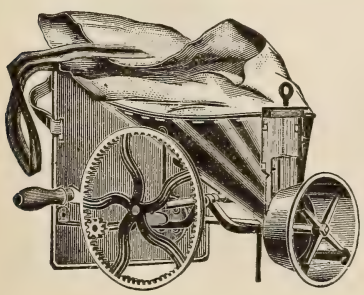
Dwarf Essex Rape This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very muct better than those of clover. Sow 3 to 5 lbs. per acre in drills, 6 to 8 lbs. per acre broadcast.

Hairy or Winter Vetch This is one of the most valuable forage crops for the South, but requires to be sown in the fall for best results. Can be sown any time from July to October. Succeeds admirably sown at the last working of corn or cotton with winter oats or wheat. Should be sown at the rate of 20 to 30 lbs. to the acre with one bushel of oats or three-fourths bushel of wheat. The oats or wheat help to hold the Vetch off the ground, enabling it to make a better growth.

White Spring Oats Sow at the rate of 2 bushels per acre in February, March or April—the earlier the better.

Special prices on large lots.

SEER WHEAT, RYE AND BARLEY



Cahoon Broadcast Seed Sewer

For Sowing Seed Grain, Clover Seed, Etc.

The best seeder manufactured, and sows all kinds of grain, clover seed, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Circulars giving full information and directions for use, mailed on application. **Price, $3.00.**

P. MANN & CO., WASHINGTON, D. C.

FERTILIZERS FOR THE FARM, LAWN and GARDEN

MANN'S PURE RAW BONE

Pure animal bone is one of the best and most satisfactory fertilizers that the farmer can use. It can always be relied upon to give excellent results upon the growing crops, at the same time acting as a permanent improver, showing its results for several years afterwards wherever it is applied. It is the best of dry-weather fertilizers, as, if it is prevented by draught from acting, its strength still remains in the soil, and is thus available when seasonable weather comes on, or for later crops.

Analysis

Bone Phos. of Lime	45 to 55 per cent
Ammonia	2½ to 3½ per cent

Put up in 200 pound bags, 10 bags to the ton.

10 per cent TRUCKERS FERTILIZER

The highest grade manufactured. Very quick-acting fertilizer for Plant Beds. Matures crops at the earliest date.

Analysis

Ammonia	10 per cent
Phos. Acid	5 per cent
Potash	3 per cent

Put up in 167 pound bags, 12 bags to the ton.

STANDARD POTATO FERTILIZER

This fertilizer is especially prepared for Irish and Sweet Potatoes, but will give splendid results on all root crops. We cheerfully recommend this brand to any one wanting a high-grade POTATO FERTILIZER. We ask you to give it a trial.

Analysis

Ammonia	3 per cent
Phosphoric Acid	8 per cent
Potash (Actual)	5 per cent

Put up in 167 pound bags, 12 bags to the ton.

7 per cent TRUCKERS FERTILIZER

This Fertilizer we can recommend for a high grade Truck Fertilizer, as we have prepared these goods to meet such a demand as our gardeners require for Cabbage, Tomatoes, Peas, Beans, etc.

Analysis

Ammonia	7 per cent
Phos. Acid	6 per cent
Potash	5 per cent

Put up in 167 pound bags, 12 bags to the ton.

POTOMAC "A" AMMONIATED SUPER-PHOSPHATE

This is our well-known brand of general crop Fertilizer, and has stood the test for more than 25 years. As a Fertilizer we cannot speak too highly for this brand for all early vegetables.

Analysis

Ammonia	2 per cent
Avil. Phos. Acid	8 per cent
Potash K. O	2 per cent

Put up in 167 pound bags, 12 bags to the ton.

FINE GROUND DRIED TANKAGE

Is used largely as a base in all Animal Fertilizers, and gives quick and fine results. Contains large percentage of Ammonia and Phosphoric Acid.

Land Plaster.—Excellent for composting, fertilizing or mixing with guano.

FERTILIZING CHEMICALS

Nitrate of Soda.—For very early vegetables, and giving an early start to grass or grain there is nothing to equal it. Being almost pure Nitrogen it does its work quickly and certainly.

Sulphate and Muriate of Potash.—All soils after being in cultivation for some years need Potash in some form. It gives strength and vigor to plant life, and gives body and the dark green color that indicates the necessary health to good crops.

Kainit is a Potash Salt and is used largely in mixed fertilizers, and also for top dressing of Asparagus, where a Potash Salt is needed.

South Carolina Rock is used for the Phosphoric Acid that it contains, and is valuable in mixing with other goods. **PRICES WILL BE GIVEN ON APPLICATION.**

SEEDS AND IMPLEMENTS

INSECTICIDES

1-lb. carton, 15c. 5-lb. packages, 30c.

CONCENTRATED CALIFORNIA WASH.
(Lime, Sulphur and Salt.)

This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San Jose Scale, Oyster Shell Scale, etc.

Concentrated; ready for use by adding 20 to 40 gallons Hot Water to each gallon of Mixture. 1 Quart, 30c. Gallon, 75c.

Special Price in Larger Quantities.

WHALE OIL SOAP

Makes an elegant wash for trees and plants where insects and eggs effect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

One pound, 15c. Large quantities at special prices.

KEROSENE EMULSION (Liquid)

Ready for use by simply adding 12 to 15 parts water to one of mixture. This is strictly an insecticide for all sucking insects. Quart, 40c. Gallon, $1.00. 5 gallons, $4.00.

Lemon Oil.—The cheapest, safest and most effectual insecticide extant for all purposes. Destroys all insects on the leaves and roots of plants without injury to flower or foliage, leaving no foreign odor. This will be found a capital wash for dogs; it relieves mange, destroys lice and all insects, and gives the coat a beautiful glossy appearance. Half pint, 25c.; Pint, 40c. Quart, 75c.

WEED KILLER, STERLINSWORTH

A most satisfactory and powerful weed-killer, compounded especially for use on walks, drives, tennis courts, etc. It is a powder to be dissolved in water. It completely destroys all kinds of grass, briers, thistles, poison ivy, etc., when applied. One gallon covers three to four square yards, and can be applied with an ordinary watering pot. Lb. (makes 15 gallons), 50 cents; 3-lb. pkg., $1.25; 5-lb. pkg., $2.00.

Tobacco Dust, Finely Ground.—One of the cheapest and most effective remedies for lice and worms on cabbages, striped bugs and other insects on melons, cucumbers and squashes. Pound, 5c; 5 pounds, 20c. 100 pounds, $2.75.

SPRAY YOUR FRUIT TREES THEY NEED IT

Bug Death.—A non-poisonous powder. It is sure death to all plant-eating pests. 1-lb. pkg., 15c. 3-lb. pkg., 35c. 5-lb. pkg., 50c. 12½-lb. pkg., $1.00.

Perfection Shaker, 65c., for applying Bug Death to potato vines.

Hellebore, Powdered.—An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—one ounce to 3 gallons. 1-lb. box, 25c.

Arsenate of Lead.—The latest and best known insecticide for all leaf-eating insects. It adheres to the foliage for weeks, thus making frequent spraying unnecessary. Pound, 25c. 5 lbs., 90c. 10 lbs., $1.80. 25 lbs., $4.25.

BORDEAUX MIXTURE

Ready for use by simply adding water.
One pound, 20 cents, makes five gallons srpay. 6 pounds, $1.00, makes 30 gallons spray. 1 quart, 35c. 1 gallon, $1.00.

PARIS GREEN

Mixed at the rate of one pound to 200 gallons of water it will prove effective against all chewing insects. 1 lb. can, 25c. ½ lb. can, 15c. ¼ lb. can, 10c. This article is liable to fluctuate in price. Special prices on large quantities.

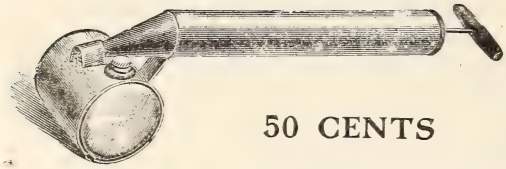
SO-BOS-SO (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. 1 gallon, $1.00.

CONKEY'S FLY KNOCKER settles the fly problem. We know many worthless articles on the market which have done much to disgust the public and injure legitimate trade. We do not offer the cheapest article known, but the best. It will do just what we claim for it. AND WE GUARANTEE IT TO SATISFY YOU. Should it fail to do so, your money will be refunded. 1 qt., 35c. 1 gal., $1.00.

P. MANN & CO., WASHINGTON, D. C.

SPRAY PUMPS, ETC.

HARVEST HOME SPRAYERS



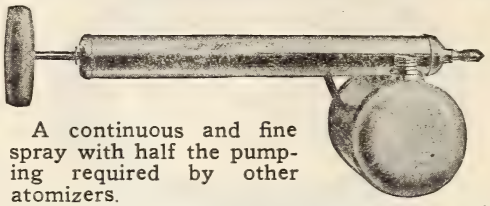
50 CENTS

These sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. They are particularly recommended for spraying all kinds of plants, bushes, vines, trees, interior of henneries, and also for spraying horses and cattle to keep off the flies.

UNIVERSAL TIN SPRAYERS

A good Sprayer for general use. 35c

AUTO COMPRESSED AIR SPRAYER



A continuous and fine spray with half the pumping required by other atomizers.

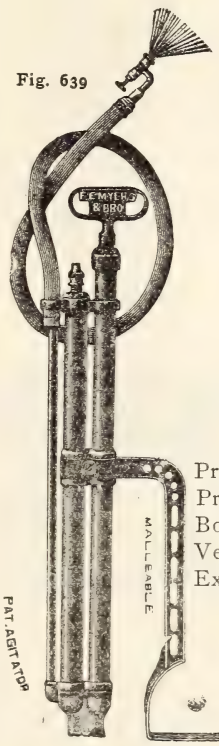
Just the thing to use in the greenhouse, window garden, for rosebushes and in the poultry-house.

Will handle all solutions, insecticides and disinfectants. Made throughout of stout material. Copper syphon tube, bronze ball valve, plunger rod ¼-inch, copper plated steel. The solution does not come in contact with the pump cylinder. The spray may be adjusted by a slight turn of the nozzle.

Galvanized Tank, Brass Tube. Price, 90c.

Pipe Extension Fig. 480

Fig. 639



Myers' Imperial Brass Spray Pump

This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formula for spraying fruit trees, vines, and shrubbery. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in the proper position. No. 327½, Fig. 639.

Price, with 3-ft. Rubber Hose	$3.50
Price, with 8-ft. Extension Pipe	4.00
Bordeaux Nozzel	.75
Vermorel Nozzle	.75
Extension Pipe	.60

Fig. 1493

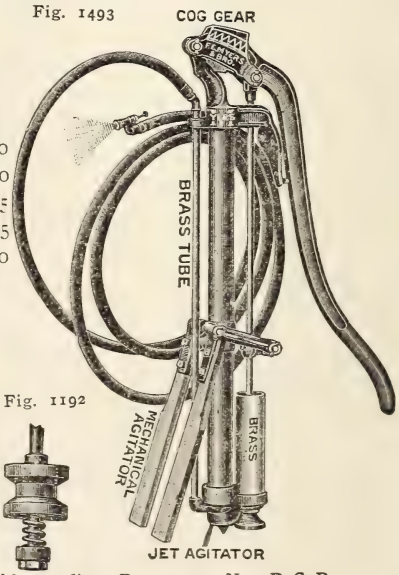


Fig. 1192

Self-Expanding Hemp Packed Plunger

Represents No. R3C5B With Cog Gear Handle

Myer's Cog Gear Barrel Spray Pump

Fig. 1493

No. R305 B, Myer's Cog Gear Barrel Spray Pump, with both jet and mechanical agitators, Fig. 1493, complete with 15 feet of ½-inch 5-ply discharge hose and Myer's graduating Vermorel nozzel.

Price, $10.00.

SEEDS AND IMPLEMENTS

ATUO SPRAY No. 1.

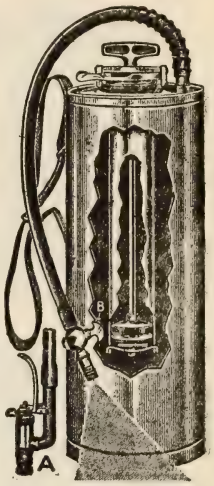
THE USES OF THE "AUTO-SPRAY," No. 1

No other style of sprayer will do such a variety of work, and do it so well. We recommend it for trees, shrubs, and vines, greenhouses, poultry houses, hospitals, and stables for disinfectants, for sheep and cattle dip and cattle fly oils.

It may be used where any bucket or knapsack sprayer can be used, and with much more satisfaction. Even those who have commercial orchards and large power sprayers, need the "Auto-Spray," No. 1 for small work.

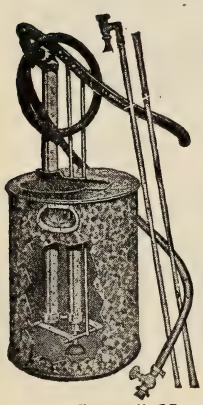
PRICES:

Auto-Spray, No. 1 A; brass tank with Stopcock	$6.75
Auto-Spray, No. 1 B; brass tank with Auto-pop	7.25
Auto-Spray, No. 1 C; galvanized tank with Stopcock	4.50
Auto-Spray, No. 1 D; galvanized tank with Auto-pop	5.00
Brass Extension, 2 feet	.45
Brass Strainer	.90



PATENTED.
"Auto Spray" No. 1

AUTO-SPRAY No. 3.



"Auto-Spray" No. 3.

Whitewash and Painting Machine

Also

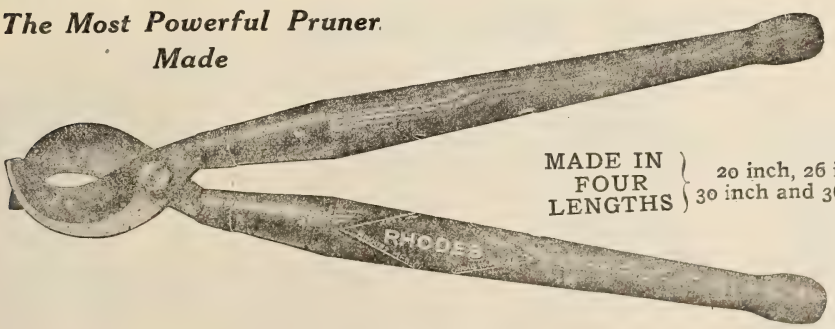
Perfect Combination Sprayer For All Purposes

A Complete Outfit, Powerful and Simple, Durable, Fully Guaranteed

Capacity, 8 Gallons **Price, $1200**

THE RHODES DOUBLE CUT WOOD HANDLED PRUNERS

The Most Powerful Pruner Made



MADE IN FOUR LENGTHS } 20 inch, 26 inch 30 inch and 36 inch. } PRICE, Any Length, $2.50

The blades on the different lengths are same. the difference being in length of handles only.

Pruners are measured over all. Lengths given include handle and blade.

P. MANN & CO., WASHINGTON, D. C.

EVERYTHING FOR THE POULTRY YARD

CLIMAX CONDITION POWDER

The only positive preventive and cure for Grapes and Poultry Cholera, and a most excellent mdicine for young Turkeys that have been exposed to the weather; also an excellent medicine for Horses, Cattle, Sheep and Hogs. 13-oz. pkgs., 25c; 5-lb. box $1.00.

HAVEN'S ROUP PILLS

For the Cure of Roup, Catarrh, Colds and Distemper.

Price, per box, 25c; by mail, 28c.

PRATT'S FOOD

Will make hens lay all the year, and is excellent for feeding young chicks. 1⅛-lb. pkg., 25c; 5-lb. pkg., 60c; 12-lb. pkg., $1.25.

Pratt's Food for Horses, 7 lbs., 50c; 12½ lbs., 75c.

Pratt's Food forshrd the raheUc mccm

Pratt's Animal Repulator, 25 and 50 cents a package.

Rust's Egg Producer.—This has given our customers universal satisfaction. 1-lb. pkg., 25c; 2½-lb. pkg., 50c.

• TRADE MARK REGISTERED •

LAMBERT'S DEATH TO LICE

A Disinfectant Insect Powder

This powder is unrivalled as an insecticide; handy to use, cheap to buy and does the work quickly. 10-oz. pkg., 25c; postpaid, 40c. 48-oz. pkg., 50c; postpaid, $1.00. 100-oz. pkg., $1; by express.

Beef Scrap, 100-lb. bag, $3.00; 4c lb.
Oyster Shells, 100-lb. bag, 65c; 10 lbs., 15c.
Crystal Grit, 100-lb. bag, 75c; 10 lbs., 15c.
Crushed Bone, 100-lb. bag, $2.75; 3c lb.
Charcoal, 50-lb. bag, $1.25; 2-lb. carton, 10c.
Alfalfa Clover, 100-lb. bag, $2.00; 4c lb.

Red Comb Poultry Feeds are rapidly becoming recognized by successful poultry raisers as the standard for egg and flesh production. They are composed of choice grains and seeds, carefully selected as regards, purity, cleanness, sweetness and freshness.

Red Comb Chick Food.—A carefully balanced mixture of many different seeds and grains proportioned to the needs of the growing chick. This food keeps chicks free from indigestion and bowel trouble. Will reduce the loss to a minimum. 3c lb.; 100-lb bag, $2.25.

Red Comb Scratching Food.—A combination of various grains, coarsely cracked. Just the thing to insure heavy yield of fertile eggs. Pound, 3c; 100-lb. bag, $2.00.

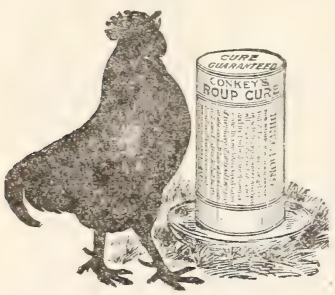
Red Comb Pigeon Feed.—Composed of the very best hard red winter wheat and other grains and seeds of equal quality. Pound, 3c; 100-lb. bag, $2.25.

Park and Pollard's Dry Mash Lay or Bust.—Price per 100 pounds, $2.50; per pound, 3c.

PARK & POLLARD'S SCRATCH FEED, per 100 pounds, $2.25. 3 cents per pound.

Park and Pollard's Developing Food.—per 100 pounds, $2.50. Per pound, 3c. Ask for P. & P. Year Book and Almanac for 1913.

Conkey's Poultry Remedies



We who have been raised i nthe country have always had trouble with chickens and chicks. We had a few simple mixtures that we gave to sick chickens, but the number we lost was very great and discouraging. Now poultry raising has become as much a science, and the study of the chicken and its ailments, as any other branch of medicine. We recommend the following remedies as simple and effective:

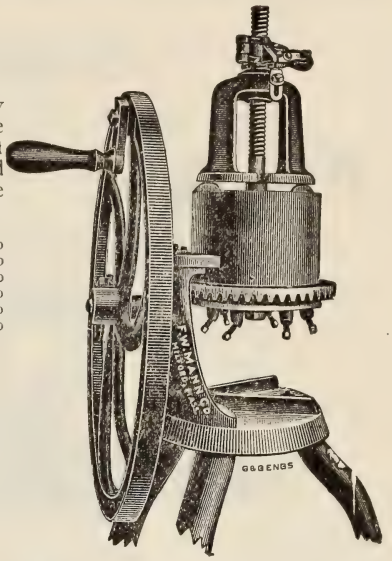
Conkey's Healing Salve	50c	per package
Conkey's Lice Powder	10 and 25c	" "
Conkey's Limber Neck Remedy	50c	" "
Conkey's Roup Cure	25c, 50c and $1.00	" "
Conkey's Gape Cure	50c	" "
Conkey's Lice Killer	1 quart, 35c; 2 quarts, 60c	
Conkey's Poultry Tonic	25c	per package
Conkey's Laying Tonic	25c	" "
Conkey's Cholera Cure	25c and 50c	" "
Conkey's Chicken Pox Remedy	50c	" "
Conkey's Scaly Leg Remedy	50c	" "
Conkey's Bronchitis Remedy	50c	" "

CONKEY'S POULTRY BOOK FURNISHED FREE ON APPLICATION

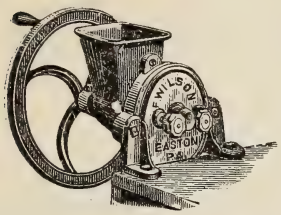
SEEDS AND IMPLEMENTS

Mann's Green Bone Cutters

The feed is both automatic and self-governing and successfully adapts itself automatically to the operator's strength, and the self-governing feed never feeds faster than the operator can cut easily. The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily. Cuts all gristle and meat. Nothing escapes uncut.



No. 5C (with Crank Handle)..... $ 6.00
No. 5B (with Balance Wheel)..... 8.00
No. 5 BM (with Balance Wheel and Iron Stand)..... 10.40
No. 7 (with Balance Wheel)..... 12.00
No. 7½ (Semi-power Machine)..... 16.00
Clover Cutter (with Balance Wheel and Iron Stand)..... 10.00



Wilson's Bone & Shell Mill

No. 1.--Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used.

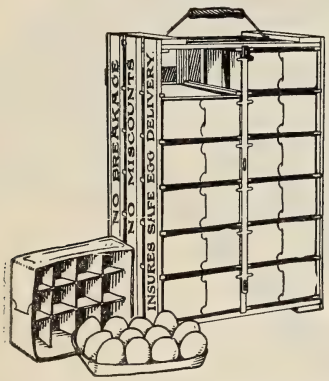
Will also grind corn.
Weight without stand 33 lbs. $4.00
Weight with stand, 64 lbs. $7.00

CAPONIZING TOOLS

Every poultry man knows that Capons are much larger fowls, sweeter and finer meat and sell at a much higher price than others. You can do your own caponizing easily.

Book with full instructions sent free with each set of instruments.

Price in Leather Case, with instructions.....$2.75



Safety of your Egg deliveries insured.

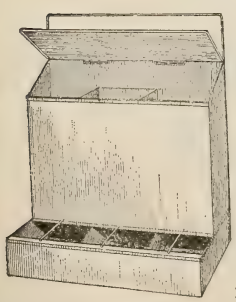
Our inexpensive tray delivery will please your customers.

No Breakage.

No Miscounts.

No. 4	crate	Includes	4	Carriers	&	4	Trays,	Cap.	4	doz.	eggs	each $ .80
" 6	"	"	6	"	"	6	"	"	6	"	"	" .90
" 8	"	"	8	"	"	8	"	"	8	"	"	" 1.00
" 12	"	"	12	"	"	12	"	"	12	"	"	" 1.25
" 18	"	"	18	"	"	18	"	"	18	"	"	" 2.00

1-2-3 POULTRY FEEDER



for Dry Mash, Scraps, Shells, Grit, Charcoal or any poultry feed. When used for one kind of feed only take out separator; for two kinds put separator in one end; when used for three kinds, say scraps, shells and grit, put separator in the middle and you have three separate feeders.

1-2-3 Poultry Feeder. 75c.

THE HUB CHICKEN FEEDER

9 in. Feeder, 35. 15 in. Feeder, 50c.

CORN SHELLER

Original in every feature, never breaks or fails to do good work. Shells fast. Shells clean. Shells easily.

Price $2.00

THE PHILADELPHIA POULTRY MARKER

Well made, with steel spring and cutter, nickel plated. Made in two sizes. Price, 25c. and 50c.

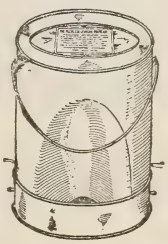
PILLING FRENCH POULTRY KILLING KNIFE

Every poultry raiser should have one of our Killing Knives. They are made of a finely tempered instrument steel, with nickled handle; will last a life-time. Sent postpaid on receipt of 50 cents.

PHILADELPHIA GAPE WORM EXTRACTOR

Postpaid, 25 cents each.

THE PEERLESS DRINKING FOUNTAIN

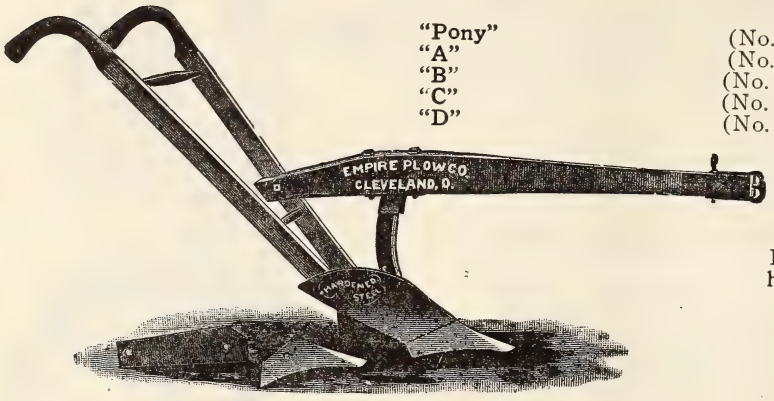


is right. The water is always pure. It is protected from dirt and filth. Easy to clean and fill and fowl cannot injure their combs when drinking. Simple in construction, durable and practical. It is adjustable. If it becomes too loose or too tight, spring the sides of the fountain in or out as it may require, until the bottom is a perfect fit .

5-qt. Peerless Fountains, 60c.
Peerless Brooder Fountains, 30c.

P. MANN & CO., WASHINGTON, D. C.

Steel King Plows



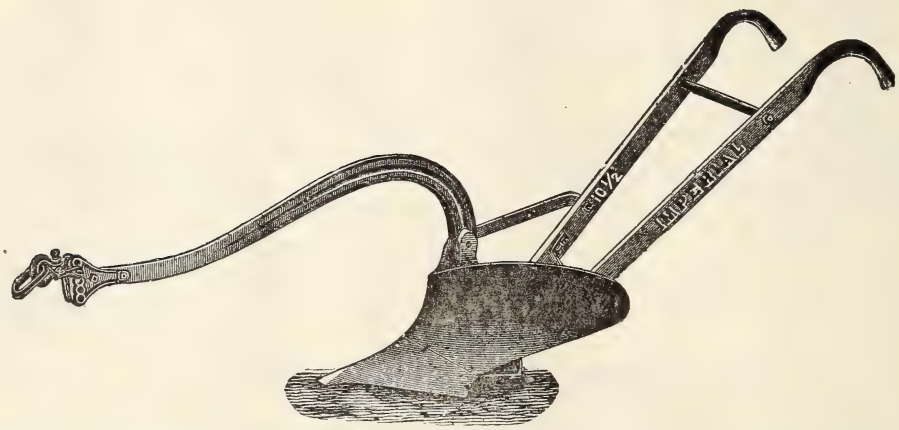
"Pony"	(No. A)	$2.50
"A"	(No. B)	3.25
"B"	(No. 10)	4.50
"C"	(No. 13)	5.50
"D"	(No. 19)	6.50

Plows include wrench and one hardened steel share extra.

The base of these plows is made entirely of steel, with hardened steel share. Landside has suction device for regulating in hard ground. The success attending the introduction and sales of these plows the past season enables us to offer them again with confidence. They are well made, nicely finished, and do first-class work.

THE BUCHER & GIBBS

The "Imperial" Steel and Wood Beam Plows



Imperial Plows are made in all sizes, steel or chilled, from a small pony to a large two or three-horse plow, either right or left-hand. Wood or steel beam, with or without wheel and jointer.

Imperial Hillside Plows in wood or steel beam, all sizes.

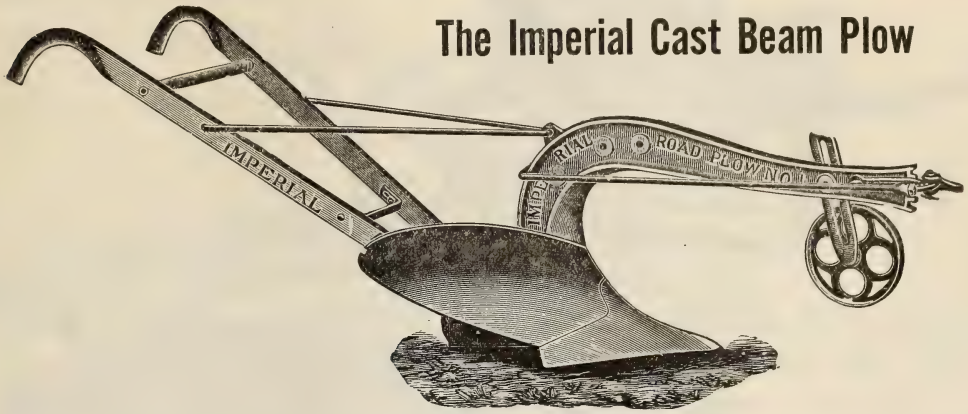
Price, No. 10½, Steel Beam	$10.00
Price, No. 12, Steel Beam	11.00
Price, No. 710 X Steel Beam	10.00
Price, No. 612 X Steel Beam	11.00
Wheels extra for all Plows	1.00
Jointers complete	2.00

Tubular Steel Plow Doubletrees In Sets

P. MANN & CO., WASHINGTON, D. C.

CONTRACTORS' AND ROAD PLOWS

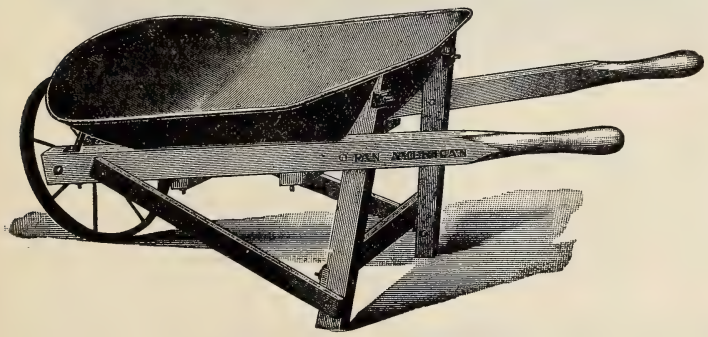
The Imperial Cast Beam Plow



Above cut represents the Imperial Road Plow No. 1, built expressly for heavy work, such as grading streets, roads, etc. It is well braced and strongly made in all its parts. Weight, 170 pounds.

No. 1, Road Plow, Right Hand only, without wheel $15.00
Wheel, complete, extra 1.00
Cast Cast-steel share for this plow 2.50

We carry in stock a full line of Contractors' Tools. Prices on application.

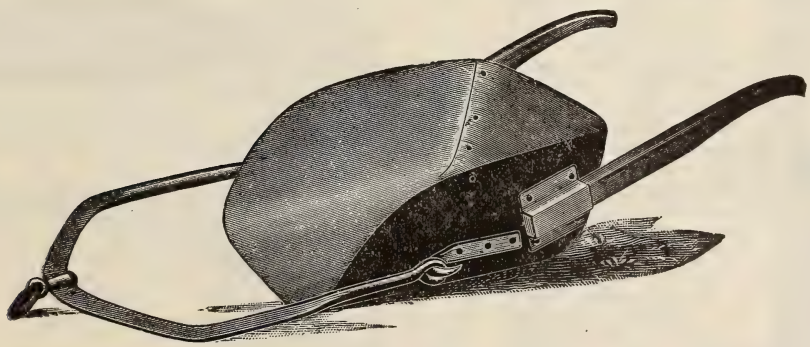


Pan-American Steel Tray Barrow

One of the strongest barrows made. Full size tray. Put together entirely with bolts.

Price, with 16-inch steel wheel $3.75

Syracuse Steel Drag Scrapers

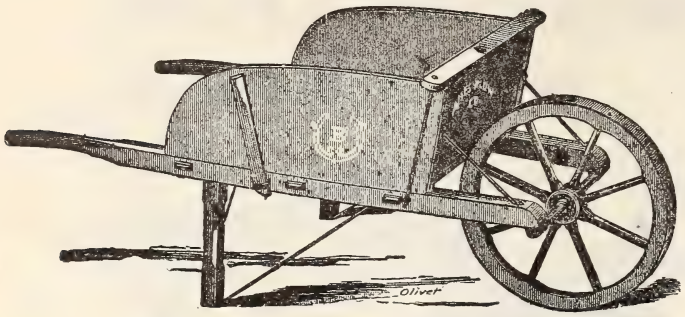


The Syracuse Scrapers are shaped cold from a single sheet of steel, lapped and riveted at the corners. They are uniform in thickness throughout, except at the corners, where they are of double thickness.

	Weight.
No. 1—Capacity, 7 cubic feet of earth; made of extra heavy steel plate	105 lbs
No. 2—Capacity, 5 cubic feet of earth	95 lbs.
No. 3—Capacity, 3 cubic feet of earth; intended for use of single horse	85 lbs.

Prices on application.

P. MANN & CO., WASHINGTON, D. C.



Beekman Garden Wheel Barrow

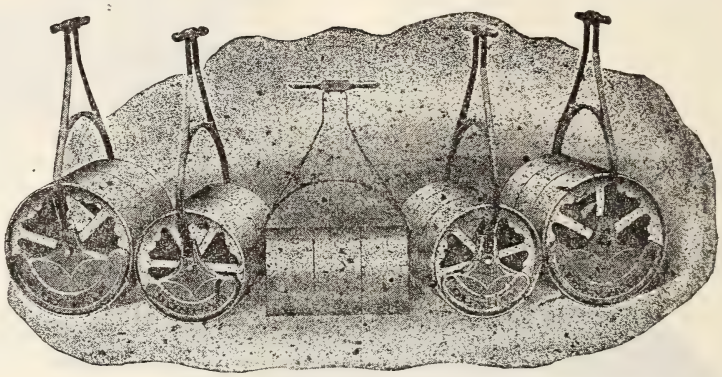
The No. 4, with our new eight spoke iron hub wheel on steel axle as illustrated.

No. 3, with our new six spoke wheel on steel axle.

Price, No. 2, Boy's Medium..$3.25
Price, No. 4, Medium..... 3.50
Ames' No. 4, Medium..... 4.50

CAPITAL CITY GARDEN AND LAWN ROLLER

The benefit derived from the use of a roller on the lawn, especially in the spring, is not fully understood. The action of freezing and thawing the ground causes the ground to heave, and if the sod is not firmly pressed back with a roller before the hot weather begins the grass is apt to be killed or injured, leaving the lawn full of bare spots.



No.	Diameter	Length	Sections	Face	Weight	Price
LR 401	15	16	2	8	150	$7.50
LR 402	15	24	3	10	200	10.00
LR 404	20	20	2	8	250	12.00
LR 407	20	24	2	10	300	15.00

Mehler's Handy Gardener

Hoe, Rake, Weeder & Cultivator In One

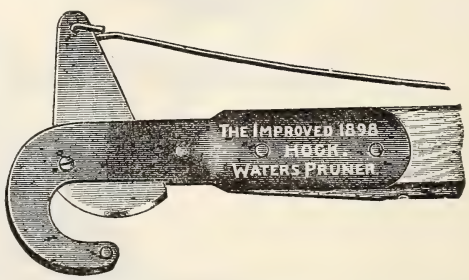
An entirely distinct tool 5½ ins. wide with a special handle 4⅛ ft. long; entire weight 2 lbs.

Note the comfortable position and special arrangement of the five teeth, which allows cultivation closer to the plant than any other device, and at the same time on three sides at one stroke.

No hoe is needed where this tool is used; just the thing for working among flowers and young vegetable plants.

Send for descriptive circular

PRICE 75c EACH



WATERS' TREE PRUNER

Waters' Tree Pruner is the only pruning implement which requires no skill in sharpening.

It is least liable to get out of order.

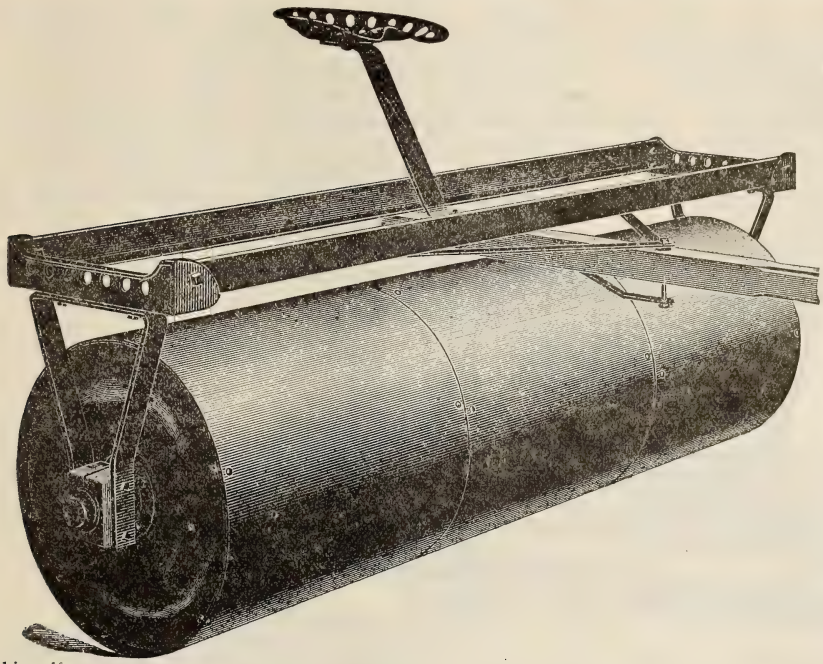
It will last a lifetime.

4 feet long.....$ .75
6 feet long..... .85
8 feet long..... 1.00
10 feet long..... 1.10
12 feet long..... 1.25

Extra knives, 20 cents.

SEEDS AND IMPLEMENTS

Imperial Steel Land Roller



The Imperial Roller is built for hard service. It is strong, solid and substantial. The Drums are made of high carbon sheet steel, No. 12 gauge, and the ends are closed with tight fitting solid sheet steel heads, put together with bolts (not rivets). Dirt and stones are excluded from the interior of the Drums which turn independently on the axle.

Cast sleeves or collars are placed in the hubs at the ends of each drum, and the wear, if any, comes on them and not on the axle.

The axle is made of 1⅞-inch steel shafting and turns in hard maple boxes carried in steel hangers. We were the first to use hard wood boxes in Land Rollers, and years of service have proved their superiority. They are better than metal bearings for the conditions in which they are used, wear longer and are easily replaced by the farmer himself.

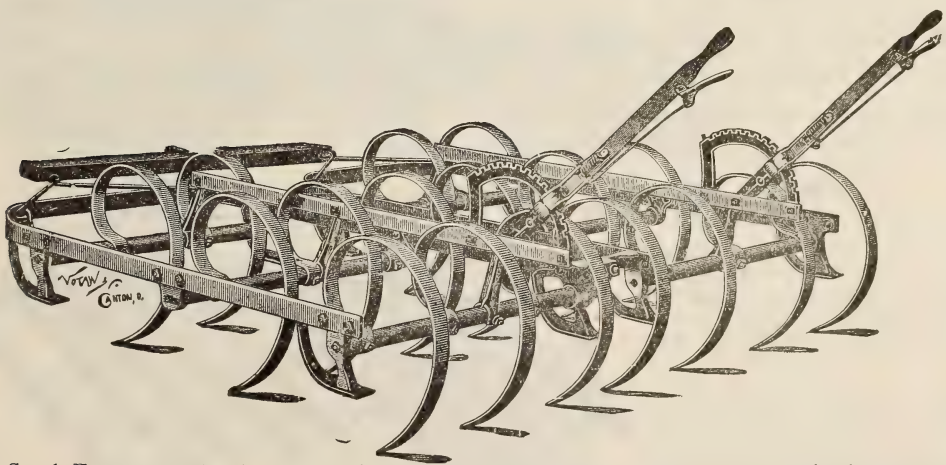
The frame or top of the Roller is made of steel, full ¼-inch material, and is better, stronger and more durable than a wood frame.

The Imperial Roller is simple of construction, strong in every part and every pound of material is the best obtainable. With ordinary care it will last a life-time. Comparison with other Rollers in the following particulars is invited:

Weight and quality of steel used in drums; weight of steel used in frame; diameter of axle; construction of drums with closed heads bolted together; material and construction of hangers; bearing, as to durability, ease of renewal, and fitness for the service required.

No. 7, 8 feet, 3 sections, 24-in. diameter, 635 lbs., Price, $25.00.

Imperial Spring Tooth Lever Harrow



All Steel Frame; teeth of finest spring steel, frame elevated on runners or wheels; prevents accumulation of trash; fiitted with plain or self-sharpening teeth or reversible, renewable point teeth

2-sections, 15 tooth.....$16.00
2-sections, 17 tooth.....$17.00

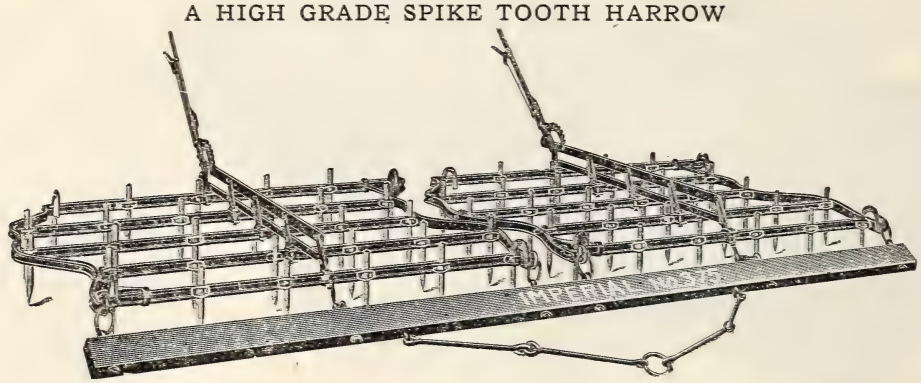
If seat is wanted, add $1.00 extra. Extra teeth, 40c each.
Reversible Spring Tooth Points for all Harrows, 20c each.

P. MANN & CO., WASHINGTON, D. C.

The Imperial "U" Bar Lever Harrow

The Imperial "U" Bar Lever Spike Tooth Harrow is made in a strictly first-class manner throughout. In construction, this Harrow has many advantages over those of other manufacturers. The frame of the Harrow is channel steel, of good weight and strength. The "U" Bars pass through the main frame of the Harrow, and are held in position by a malleable clamp. The construction gives great strength to the Harrow and at the same time allows flexibility. Each section is fitted with four steel runners, one attached to each corner, for transportation. These runners, when the Harrow is at work, are on top of the frame and do not obstruct. By throwing the lever forward the runners are thrown down in a position which carries the entire Harrow off the ground.

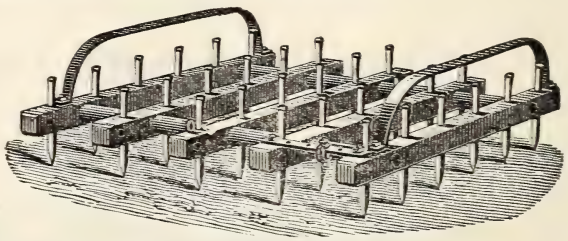
A HIGH GRADE SPIKE TOOTH HARROW



No. 370, 1-section, 25 5/8 teeth. Weight, 97 lbs. ..... $ 6.00
No. 371, 2-section, 50 5/8 teeth. Weight, 173 lbs. 10.50
No. 375, 2-section, 60 5/8 teeth. Weight, 215 lbs. 12.00
No. 372, 3-section, 75 5/8 teeth. Weight, 290 lbs. 16.00

The Brown Gardener's Harrow

Made in one section, contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The harrow is strong and durable and is furnished with runners for transportation.

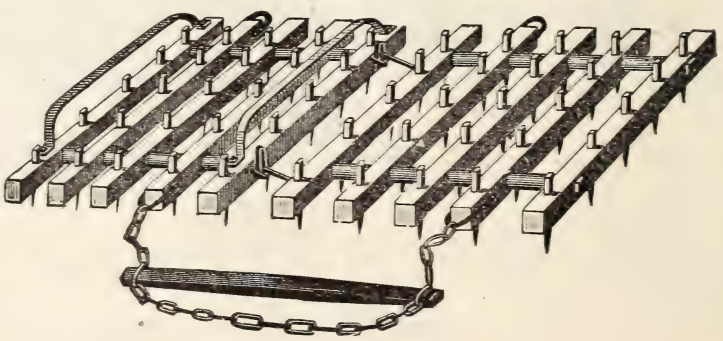


24 tooth harrow, cuts 3 ft. 8 in. wide....$5.50
30 tooth harrow, cuts 4 ft. 6 in. wide.... 6.00

The Brown Two-Section Harrow

We make two sizes of this harrow. The larger size has 50 teeth and cuts eight feet and six inches wide. The smaller size has 40 teeth and cuts six feet and six inches wide.

Our two section harrows are guaranteed better made, better finished, and have more superior points of xcellence than ordinary Scotch harrows, with which they should not be confounded.



2-section, 40 teeth.....$ 9.00
2-section, 50 teeth..... 11.00

THE DAIRY

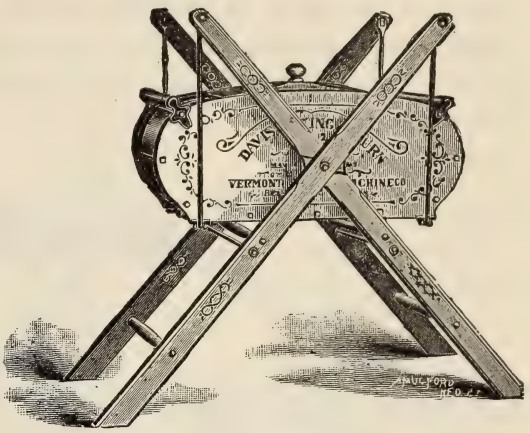
DAVIS SWING CHURN

The round ends of the Churn cause the cream as it strikes against them to slide up and over, turning a complete somersault, consequently the cream is thoroughly agitated.

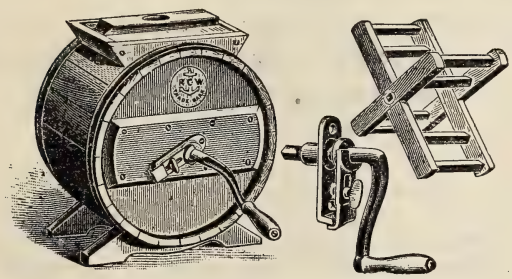
The butter comes in beautiful granules in the most desirable form for washing in cold water or brine.

Each Churn has a glass indicator in the cover, thus enabling the operator to tell when the butter comes without raising the lid. The lid is ventilated and there is no slopping or dripping of cream. Easy to operate; in fact, any child can do it.

No.	Will Churn	Capacity	Price
1.	4 gallons or less	8 gallons	$7.00
2.	5 gallons or less	10 gallons	8.00
3.	8 gallons or less	16 gallons	10.00
4.	10 gallons or less	20 gallons	12.00
5.	13 gallons or less	26 gallons	15.00



EASY TO KEEP CLEAN



DOUBLE DASHER—THUMB SCREW LOCK

IMPROVED CEDAR CYLINDER CHURNS

We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw; which prevents leakage—lock cannot break. The top is large, and dasher easily removed. The best churn in use.

Price, No. 1, 3 gallons, each.....$2.25
Price, No. 2, 4 gallons, each..... 2.75
Price, No. 3, 7 gallons, each..... 3.25
Price, No. 4, 10 gallons, each..... 3.75

RICE'S CALF WEANERS

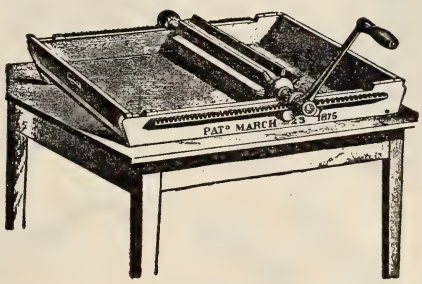
Also prevents cows from sucking themselves.

No. 1, for Calves, 25c; by mail, 30c.

No. 2, for Heifers, 40c; by mail, 50c.

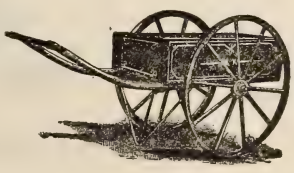
No. 3, for Cows, 60c; by mail, 70c.

REID'S BUTTER WORKER



Consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain.

No.	Inside Measurement.	Capacity. Lbs.	Weight. Lbs.	Retail Price.
1.	23x36x2½ in.	50	45	$8.00
2.	20x36x2½ in.	30	29	6.40
3.	17x27x2½ in.	20	25	5.60
4.	14x24x2½ in.	10	20	4.80



LANSING HAND CARTS

No. 2.—Weight, 80 lbs. Price...$6.50
No. 1.—Weight, 90 lbs. Price... 7.50
No. 0.—Weight, 100 lbs. Price... 9.00

P. MANN & CO., WASHINGTON, D. C.

IRON AGE FARM and GARDEN TOOLS

These tools are well-known to be most satisfactory and the best. A complete descriptive "Iron Age" Catalogue for 1913 sent free on application

No. 1 "Iron Age" Plain Cultivator, with Clamp Expander .

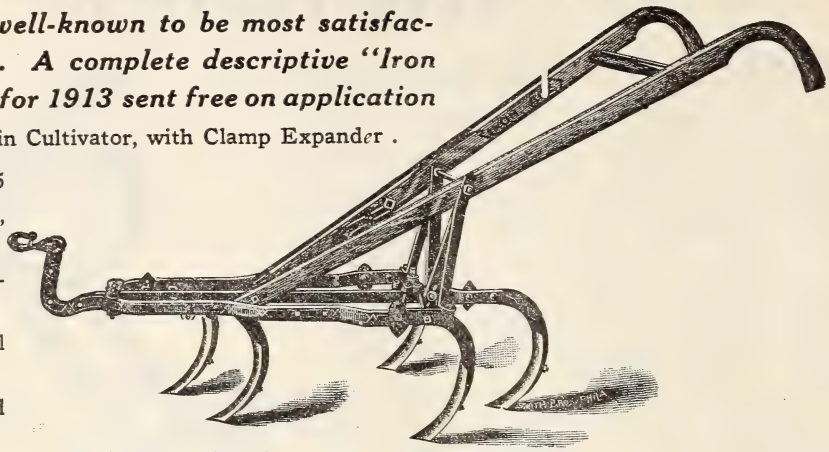
Price, as in cut, $3.25

With Plain Wheel, add 75 cents

With Lever Expander add 75 cents

With Lever Wheel add $1.00

With Horse Hoe and Sweep, add $1.30



In this cut we represent our "Iron Age" in its simplest form—a plain cultivator. In this shape we sell it largely in those sections of the country where labor is inefficient and a cheaper and simpler tool is desirable. It is an honest, strong and faithful servant.

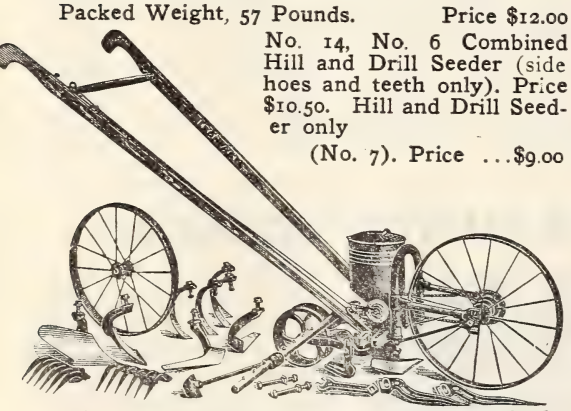
DIXIE STEEL FRAME CULTIVATOR

Price....$2.75 Add for Draft Rod....25c. Add for Lever Expander..75c. Add for Wheel..75c

THE No. 6 "IRON AGE" COMBINED DOUBLE AND SINGLE WHEEL HOE HILL AND DRILL SEEDER

Packed Weight, 57 Pounds. Price $12.00

No. 14, No. 6 Combined Hill and Drill Seeder (side hoes and teeth only). Price $10.50. Hill and Drill Seeder only (No. 7). Price ...$9.00



The No. 1 "IRON AGE" Double and Single Wheel Hoe

Price, complete, $7.00

Price, No. 3, plain (with ..side shoes only), $4.25.

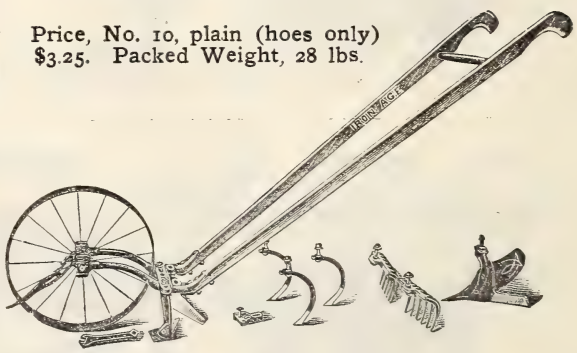
No. 13, No. 1, with side hoes and teeth only, Packed Weight, 40 lbs.

Price, $5.50.

THE No. 9 "IRON AGE" SINGLE WHEEL HOE CULTIVATOR PLOW AND RAKE

Price, Complete, $5.25.

Price, No. 10, plain (hoes only) $3.25. Packed Weight, 28 lbs.



Price, $3.50.

Packed Weight, 22 lbs.

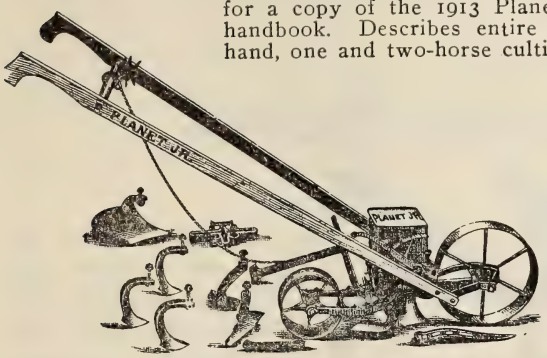
No. 19-C "IRON AGE" Wheel Plow Cultivator

SEEDS AND IMPLEMENTS

THE SEASON OF 1913

PLANET Jr. FARM and GARDEN TOOLS

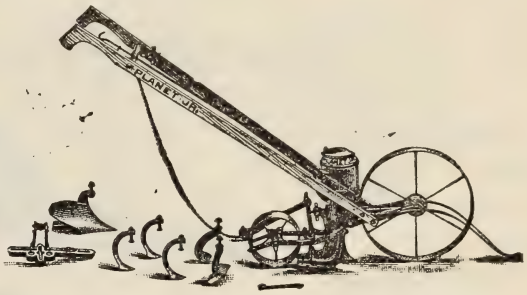
PLANT JR. TOOLS enable you to do two days' work in one, easier, cheaper, better, with less fatigue. They pay for themselves in a season. Write today for a copy of the 1913 Planet Jr. Catalogue, a finely illustrated, instructive handbook. Describes entire Planet Jr. line, including seeders, wheel hoes, hand, one and two-horse cultivators, harrows, etc.



No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe Cultivator and Plow

Price, complete $10.50
Price, as a drill only..... 8.50

This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts, and as a seeder is like the No. 5, sowing in continuous rows, or dropping in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set.

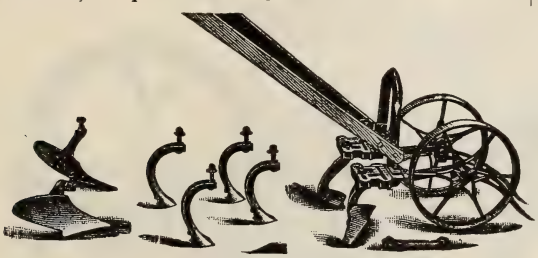


No. 6 Combined Hill and Drill Seeder, Wheel Hoe Cultivator and Plow.

Price, complete $13.00
Price, as drill only..... 10.50

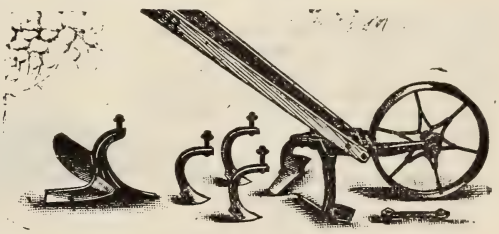
No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow.

Price, complete $13.00



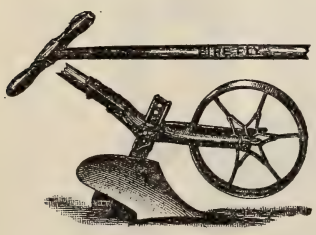
No. 12 Double Wheel Hoe Cultivator and Plow.

Price.....$6.50



Planet Jd. No. 17 Single Wheel Hoe Cultivator Rake and Plow.

Price.....$4.50



The Fire-Fly Garden Plow.

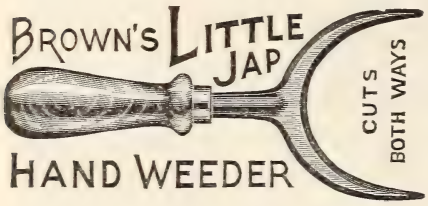
Price.....$2.25

Farmers' No. 19 Single Wheel Hoe Cultivator and Plow.

Price.....$3.75

Can furnish all repairs for Planet Jr. Tools.

P. MANN & CO., WASHINGTON, D. C.



Especially adapted for working among Carnations, Roses, etc. Equally as valuable to the Market Gardener and Nurseryman, and the best all-round weeder for the private garden. Price each, 30c.

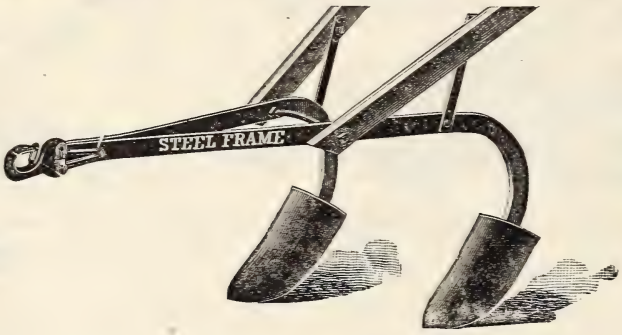
Malta Shovel Plows

Blade has two holes.

Clevis is adjustable.

Frame all steel.

The beams on this plow are made of steel 1½x1⅝ inches.

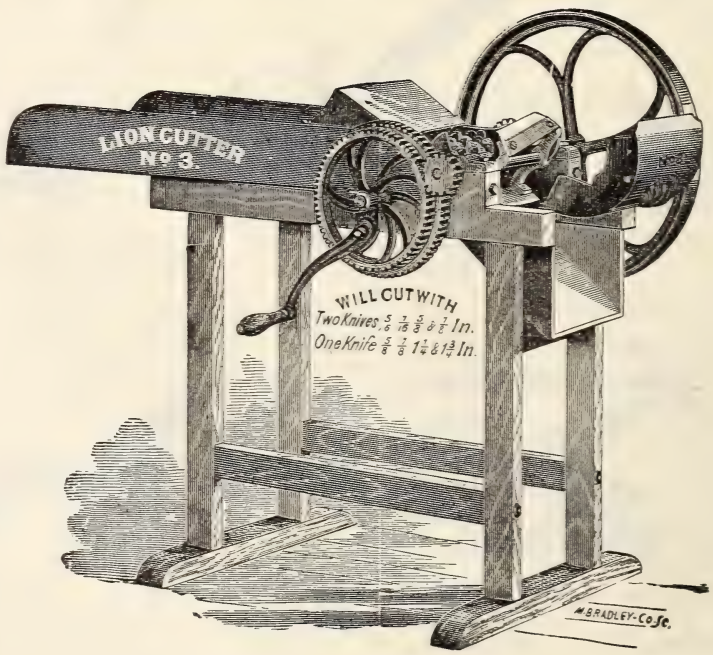


This gives the plow a light draft and the beams are stronger than those made of 1½x¾ inch Iron. Size of shovel, 6x11x7-16 inch.

Price, Double Shovels .....$2.50 Single Shovels $2.25
Triple Shovels $3.25

The Lion Feed Cutter

No. 1 Machine has two knives 6¼ inches long. Weight 110 pounds. Price.....$14.00
No. 2 Machine has two knives 7¼ inches long, good capacity; style frame as No. 1. Weight, 128 lbs. Price $17.00
No. 3 Machine, with two knives 8½ inches long, is the favorite Hand Machine. Weight 155 pounds. Price $20.00



NOXALL LEVER CUTTER

simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rates, and can be set up in a moment.

Price . $3.00

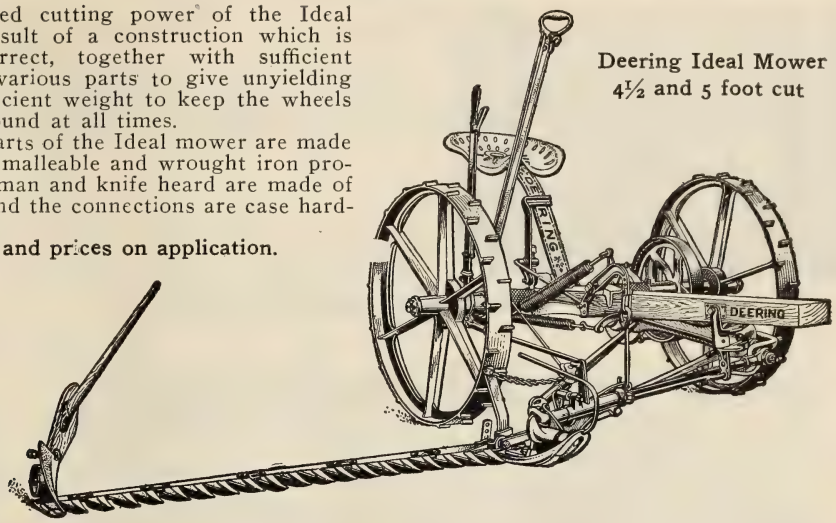
SEEDS AND IMPLEMENTS

DEERING IDEAL MOWERS

The unsurpassed cutting power of the Ideal mower is the result of a construction which is mechanically correct, together with sufficient strength of the various parts to give unyielding stability and sufficient weight to keep the wheels firmly on the ground at all times.

The working parts of the Ideal mower are made of the best steel, malleable and wrought iron procurable. The pitman and knife heard are made of the finest steel, and the connections are case hardened in oil.

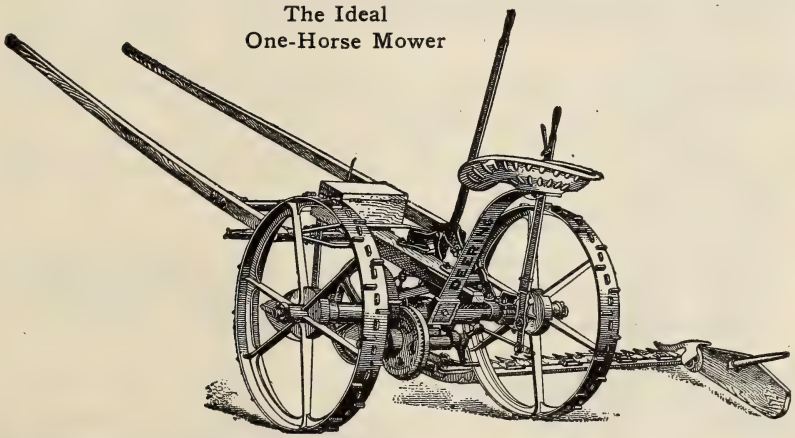
Catalogue and prices on application.



Deering Ideal Mower
4½ and 5 foot cut

DEERING IDEAL ONE-HORSE MOVER

The Ideal
One-Horse Mower



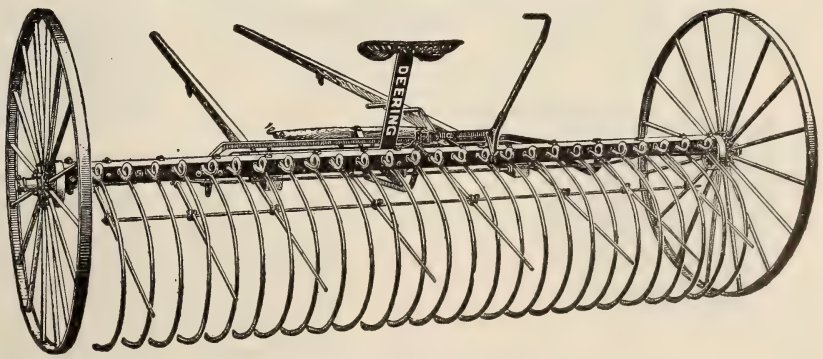
This mower is considerably lighter than the regular Ideal mower, so that it can very easily be drawn by one horse. It is a desirable machine for mowing on small farms, on lawns or in cemeteries.

Catalogue and prices on application.

DEERING HAND AND SELF-DUMP HAY RAKE

When this rake is used to gather the hay crop the hay grower can feel absolutely certain that he has gathered every part of the crop in the best manner and in the shortest time. The rake is designed especially for clean raking, for strength and for durability.

Catalogue and prices on application.



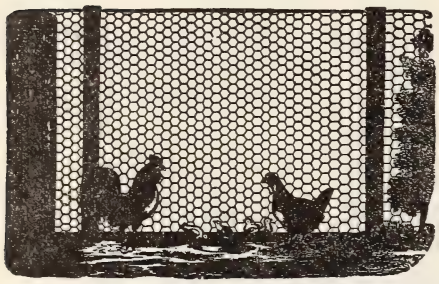
Deering Ideal Hay Rake

Repairs for Deering and other makes furnished

P. MANN & CO., WASHINGTON, D. C.

Galvanized Poultry Netting

For Enclosing Poultry Yards



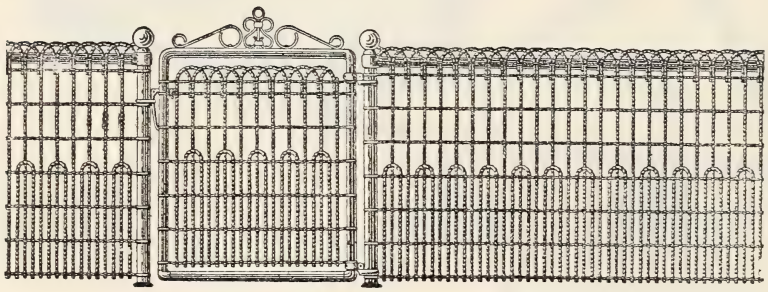
The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

No. 19	In. Wide.	Sq. ft.	Per B.	No. 20	In. Wide.	Sq. ft.	Per B.
"	12	150	$ .80	"	12	150	$ .70
"	18	225	1.25	"	18	225	1.05
"	24	300	1.65	"	24	300	1.15
"	36	450	2.50	"	36	450	2.05
"	48	600	3.30	"	48	600	2.70
"	60	750	4.00	"	60	750	3.40
"	72	900	5.00	"	72	900	4.08

Special price in large quantity.

Price ¾ cent per sq. ft in less than bale lots. Staples for fastening, 10 cents per pound.

LAWN AND GARDEN FENCE



Style A-1 Fabric for Lawns

Style A-1 Fabric on colonial post and rail construction, with ornamental scroll showing above the rail, combines a most pleasant effect in a structure built on heavy lines throughout. It will stand use and abuse and the wear of time to the limit of reasonable expectation.

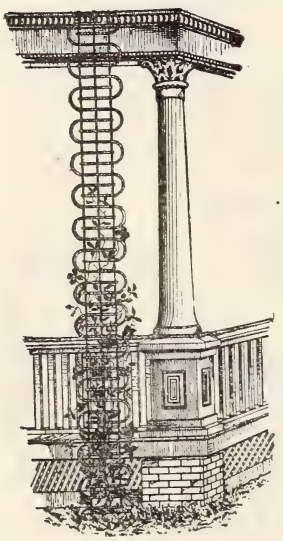
SPECIFICATIONS.—Uprights, No. 9, heavily galvanized wire, crimped the entire length. Cables, No. 12½, heavily galvanized, with space between the uprights at the bottom of 1⅜ inches, at the top, 2⅞ inches. The cables are spaced 6 inches apart, except top space of 2¾ inches.

PRICE LIST OF A-1 FABRIC.

Height	35 in	41 in.	37 in.	53 in.	59 in.
Style A-1, 2⅞ in.	21c	23c	26c	29c	32c

Single Gates, A-1 style, 3x35 in., $4.80 list, Single Gates, A-1 style, 3½x35 in., $5.20 list. Gates, same discount from list. Less than 100 feet, 45 per cent discount off list prices.

TRELLIS



The Trellis is practical and attractive. It is very little higher in price than poultry netting, which has been so much used for this purpose because a practical trellis has not been available. Made of heavy wire and will keep its shape and last indefinitely.

Made 18 inches wide.

Price, 6 cents per running foot.

LAWN AND GARDEN REQUISITES

PERFECTION FLOWER GUARD

Is just as easily applied to any form or size of flower bed. No posts are required, the picket ends are left projecting for insertion in the ground. Not expensive, and can be taken up from year to year. It is cut off to the length required and the ends hook together when set. This border not only protects, but adds to the beauty of every flower bed.

Per running foot, height, 18 inches, 8 cents.

Special prices in large quantities.

American Farm Fence Wire and Gates. Price List With Discount furnished.

SEEDS AND IMPLEMENTS

Galvanized Steel Barbed Fencing Wire

Main strands, Nos. 12 and 12½ gauge, steel wire. Regular or Cattle Wire has barbs about 5 inches apart. Thick set Hog Wire has barbs about 3 inches apart.

CABLE OR TWISTED WIRE.

Made of two strands of Nos. 12 or 12½ gauge steel wire.
Ribbon and Plain Fence Wire.—Special prices on above will be furnished on application.

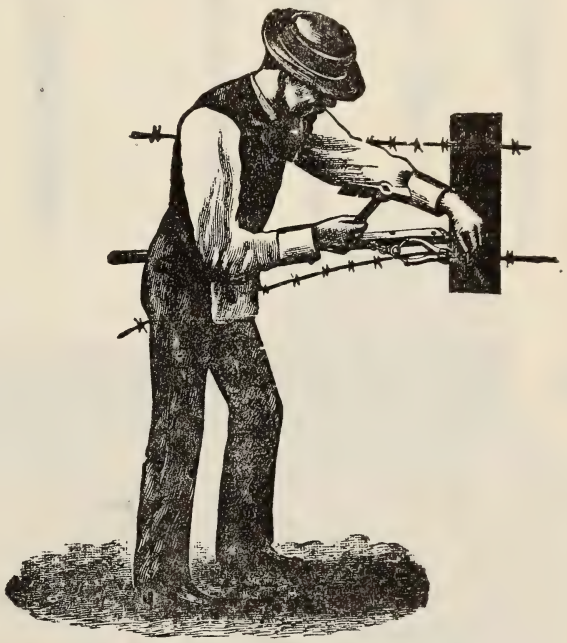
THE TOWNSEND WIRE STRETCHER

Wtth this instrument the person stretching the wire can nail it to the post from which he is stretching without assistance.

The only true principle for a Wire Stretcher.

It will give you better satisfaction than any stretcher you can find. Do not fail to get it.

Price.....75 cents



LITTLE GIANT WIRE STRETCHER

Price.....75 cents

HERCULES WIRE STRETCHER

Price.....25 cents

Gibbs Post Hole Digger

Works successfully in all kinds of soil where most diggers fail.

ADVANTAGES.—Easiest operated. Very durable. More soil can be brought out at one time and with less labor. Scours or cleans better in mucky soil. All wearing parts have steel pins. Blade is made of best tempered cast steel; the rod and yoke are also steel. Only one blade to keep sharpened. Makes a hole of any desired diameter. By the use of the compound lever operating blade, ordinary stones that obstruct digging are readily loosened and removed. Best general purpose digger made.

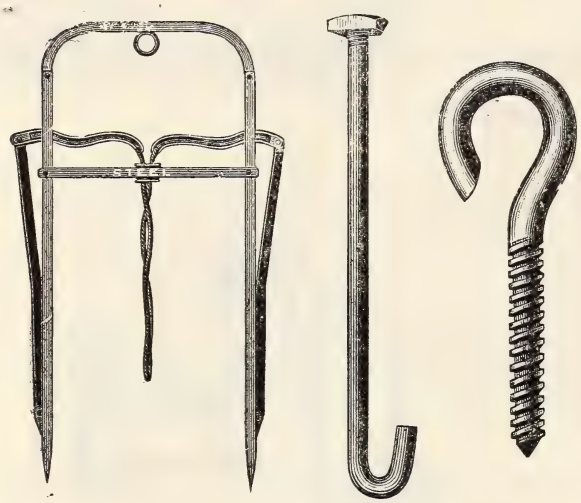
Price.....$1.75

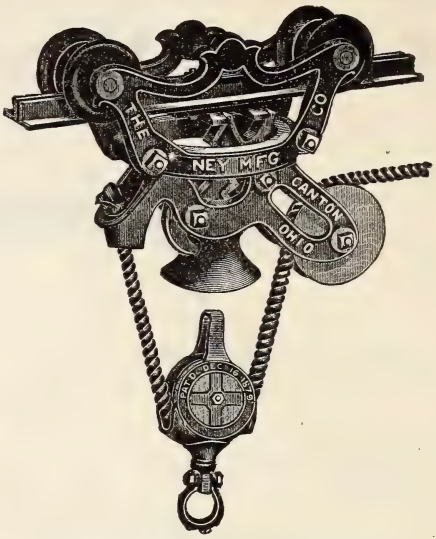
P. MANN & CO., WASHINGTON, D. C.

Myers Haying Tools

HAY CARRIERS, FORKS PULLEYS.

STEEL TRACKS, HAY SLINGS, Etc.





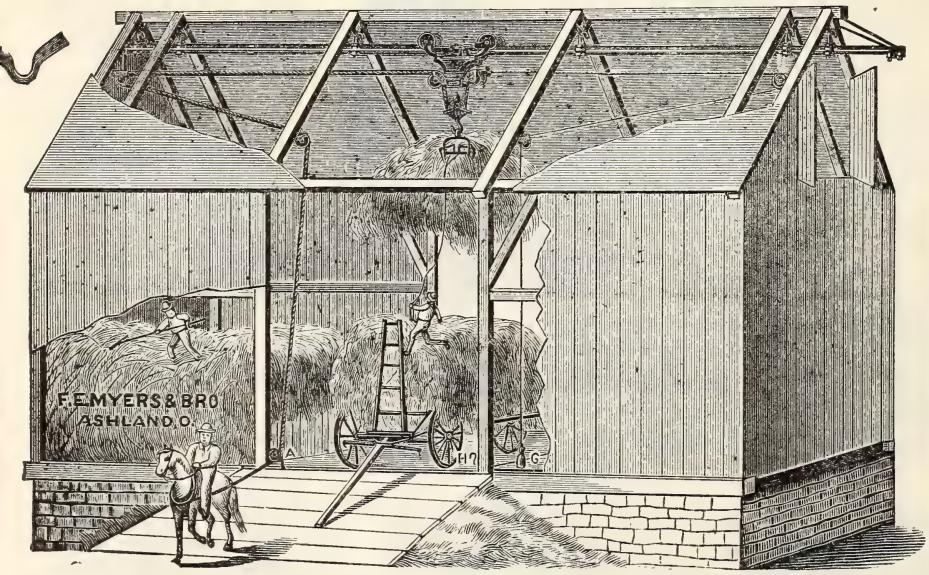
REVERSIBLE CARRIER SWIVEL

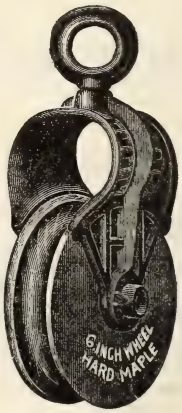
For Double-Angled Steel Track.

This Carrier cannot pass the bumper or trip ock while in operation, and is easily and ickly reversed from the floor. It is constructed tirely of malleable iron; travelers and sheaves volves on turned steel bushings.

Price.....$4.50

Special Discount for Cash.





HAY TOOL SUPPLIES

Nellis' Single Hay Fork	$2.00	Rafter Bracket	$ .06
Double Harpoon Hay Fork	1.25	Extra Trips or Stops for Cars	.50
Hanging Hook for Wood Track, 14 inch	.09	Knot Passing Pulley	.30
Hanging Hook for Steel Track	.08	Plain Iron Pulley	.20
Patent Rope Hitch	.20	Steel Track, per foot	.12½
Floor Hook	.08	Pure Manila Rope, lb	.15

Estimates given on full outfits Haying Tools

SEEDS AND IMPLEMENTS

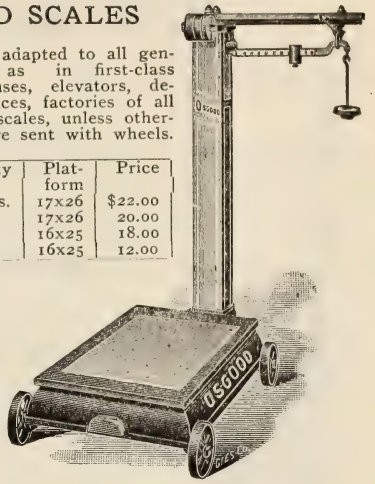
WATER TRUCK WITH BARREL.

Price, Plain Truck and barrel, 1½-in. tires.$8.00
Price, Truck alone, 1 pair Trunnions..... 6.50
Price, Pair of Trunnions alone..... .50
Price, Extra 3-in. Tire..... 1.50

OSGOOD SCALES

This scale is adapted to all general weighing, as in first-class stores, warehouses, elevators, depot, express offices, factories of all kinds, etc. All scales, unless otherwise ordered, are sent with wheels.

No.	Capacity lbs	Platform	Price
1808	1,000 lbs.	17x26	$22.00
1810	800 "	17x26	20.00
1812	600 "	16x25	18.00
600	600 "	16x25	12.00

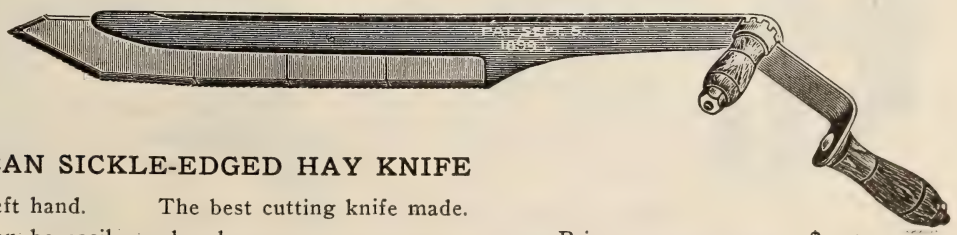


CRYSTAL METAL FARM BELLS

No. 1, 40 pounds.....$2.00
No. 2, 50 pounds..... 2.50
No. 3, 75 pounds..... 3.50
No. 4, 100 pounds..... 4.50

Cycle Ball-Bearing Steel Frame GRINDSTONE

Price, Complete, $4.50.



AMERICAN SICKLE-EDGED HAY KNIFE

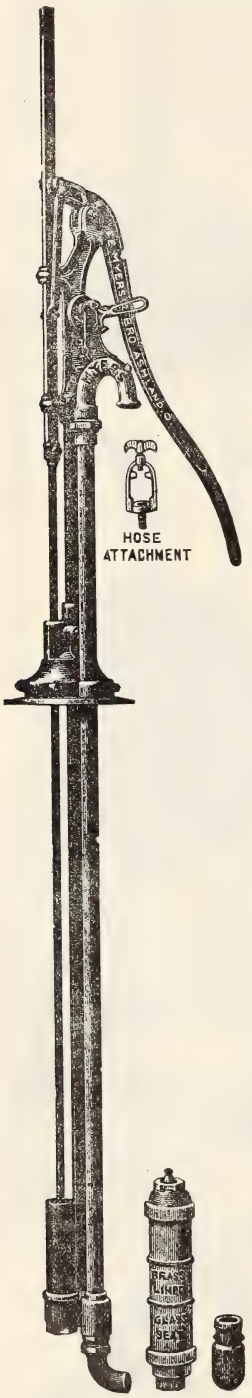
Right or left hand. The best cutting knife made.
Sections can be easily replaced.

Price.....$1.25

P. MANN & CO., WASHINGTON, D. C.

Myers Double Acting Force Pumps

Have patent glass valve seat. Patent drop valve. Brass or brass lined cylinder.



IMPROVED
CLOSED-TOP
PITCHER-
SPOUT PUMP

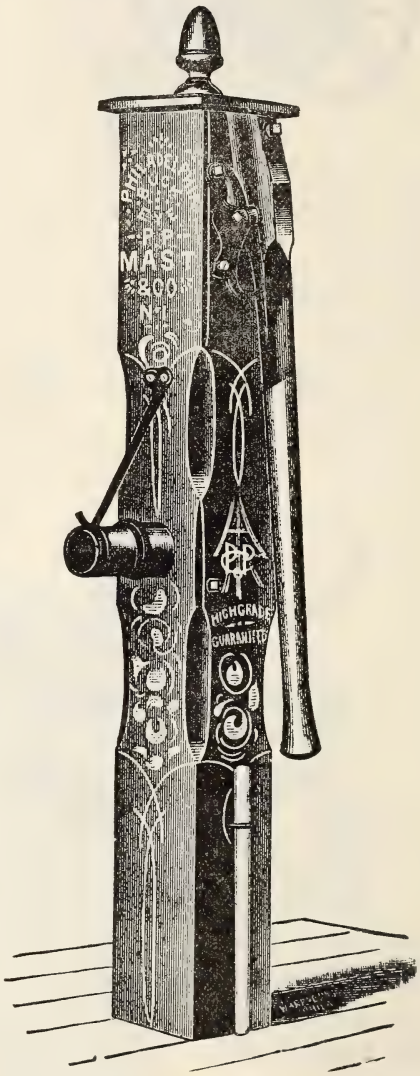
With Revolving Brake,
Bolt Fastening and
Cut-off Base.

Fig 205½

Fig. 205½ represents our Pitcher Spout Pump, with a closed top. It is often a cause of complaint with the Open Top Pitcher Pumps that they are apt to throw the water over the top when worked rather sharply. To obviate this, we have introduced a closed top with an opening only large enough for the rod to work through.

Price, No. 2.....$2.00

Price, No. 3..... 2.25



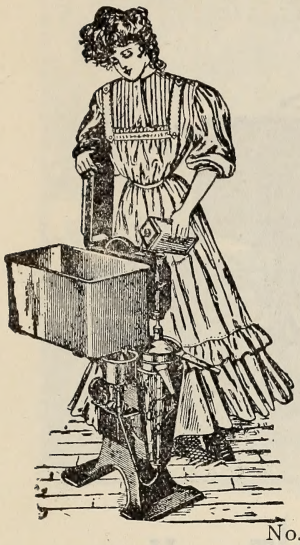
BUCKEYE
WOOD PUMPS

Porcelain Lined; are Recommended as the Best and Most Satisfactory in all Cases.

REPAIRS FOR IRON AND WOOD PUMPS.
PRICES ON ALL PUMPS FURNISHED ON APPLICATION.

SEEDS AND IMPLEMENTS

Sharpless Tubular "A" Hand Separators



THE TUBULAR SEPARATOR marks a distinct era in dairy separator construction. An entirely new principle is involved. Separators of greater capacities than those formerly necessarily driven by steam are now easily driven by hand.

A light, simple little bowl, but two and one-half inches in diameter, suspended by a flexible steel spindle from a single ball bearing—a bowl easily turned by hand, entirely free from complications of all kinds—now does more work, and does it infinitely better, than the largest steam-driven factory separator that was made but a few years ago.

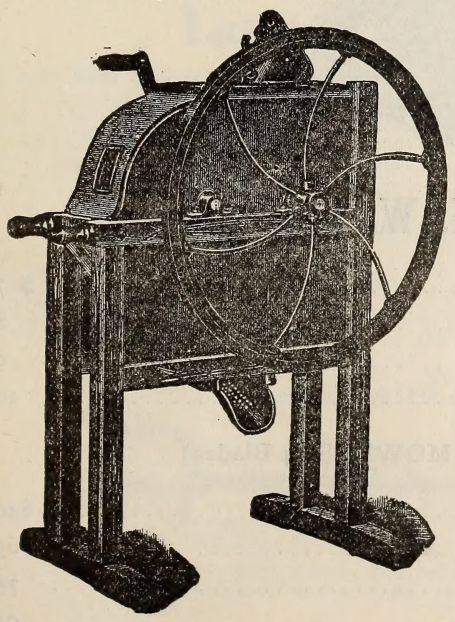
Such a stride in advanced cream separator construction has never before been made, and it will be only a short time when all other designs or styles of separator bowls will become obsolete. That time can not be far away, especially in hand-power separators of large capacity.

All there is to the light, simple, sanitary, easy to clean Sharpless Dairy Tubular Cream Separator bowl. Contains no disks. The Tubular has twice the skimming force, skims faster and twise as clean as others.

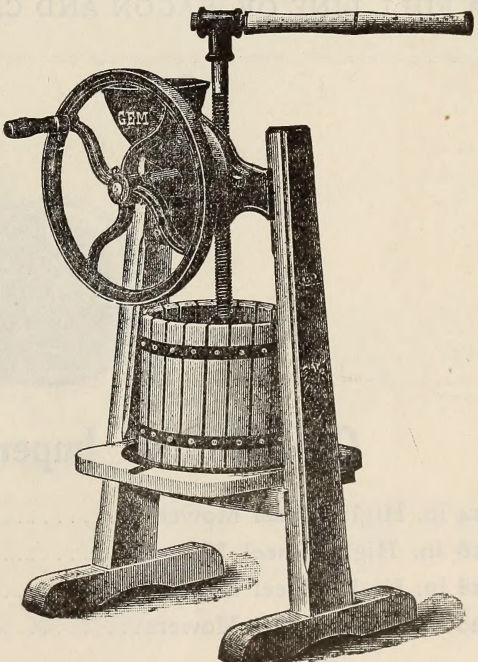
No. 1—225 Lbs. Per Hour Capacity, Price $ 40.00
No. 2—300 Lbs. Per Hour Capacity, Price $ 55.00
No. 3—400 Lbs. Per Hour Capacity, Price $ 65.00
No. 4—500 Lbs. Per Hour Capacity, Price $ 75.00
No. 6—700 Lbs. Per Hour Capacity, Price $ 90.00
No. 9—950 Lbs. Per Hour Capacity, Price $110.00

PONY CORN SHELLER.

Our Pony is one of our most popular shellers, and the sales of it are growing each year. It is a right hand sheller and separates cob from corn. The gearing is enclosed as cut shows. The shaftings are all turned, and castings keyed to a shoulder. It has a heavy cast iron fly wheel and runs very light. The capacity is 20 bushels per hour. Price, $7.00.



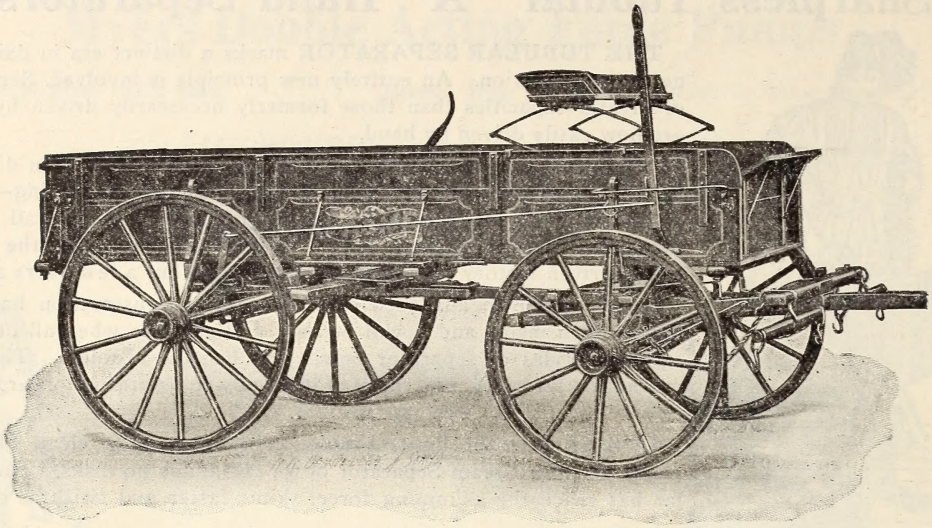
FAMILY CIDER AND WINE PRESS.



Made in two sizes, numbers 0 to 1. The No. 0 has a steel screw 1¼ in. in diameter by 22 in. long, and is provided with one tub 10½ in. high. The No. 1 has a screw 1⅜ in. diameter by 24 in. long, and is provided with one tub 11½ in. inside measurements by 12 in. high.

Price, No. 0.....$ 9.50
Price, No. 1..... 10.50

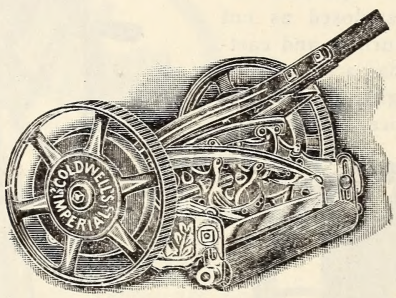
SEEDS AND IMPLEMENTS



ACME FARM WAGONS in One and Two Horse

ACME FARM and CONTRACTORS' Carts

A FULL LINE OF WAGON AND CART HARNESS AND STABLE SUPPLIES

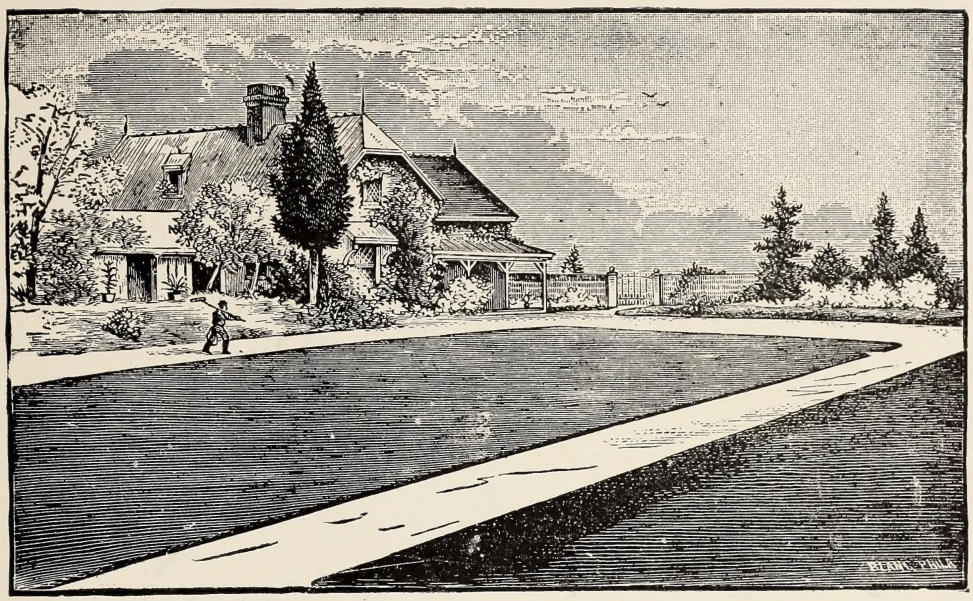


COLDWELLS' Imperial H. W. Lawn Mowers

14 in. High Wheel Mowers	$ 7.50
16 in. High Wheel Mowers	8.00
18 in. High Wheel Mowers	9.00
20 in. High Wheel Mowers	10.00

IMPERIAL LAWN HORSE MOWERS (4 Blades)

25 in. Mower No Seat or Shafts	$40.00
30 in. Mower with Seat and Shafts	65.00
35 in. Mower with Seat and Shafts	75.00
40 in. Mower with Seat and Shafts	95.00



LAWN GRASS SEED

Mann's Capital City Lawn Mixture

Put Up by Us and Under Our Own Formula

FINE LAWNS.—Can only be made by using the best grade of grasses. The proper blending to give satisfactory result needs the study of years. Among some of the most beautiful lawns of Washington and its suburbs are those sown with Capital City Lawn **Grass Seed.**

These seeds should be covered very slightly and a roller run over the ground after sowing. Pt. 10c. Qt. 20c. Lb. 25c. Pk. (of 3½ lbs.) 75c. Bu. (of 14 lbs.) $3.00.

LAWN GRASS FOR SHADY PLACES AND UNDER TREES

A selection of grasses that thrive well in shaded situations, under trees, or close to walls where there is little sun. Price: Qt. 20c. Pk. (3½ lbs.) 75c. Pound, 25c. Bu. (14 lbs.) $3.00.

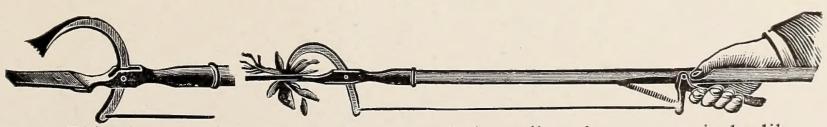
Lawn and Garden Fertilizer

Old and New Lawns Require Stimulating, after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this purpose our high grade bone meal is best adapted to the wants of the lawn: It should be sown broadcast, from the middle of February to the first of May for spring and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. **10** lbs. sow enough for **250** square feet. 10 lbs. 30c., 100 lbs. $2.00, 200 lb. bag, $3.50. Special price on ton lots.

Pulverized Sheep Manure

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil. As a top dressing for lawns, it is unequalled. 5 lbs. 25c,, 10 lbs. 40c., 30 lbs. $1.00, 50 lbs. $1.25, 100 lbs. $2.00.

Cleveland Lawn Weeder



This little device gets at the root of the evil and removes it bodily.

The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod. Price, 60c.

SEEDS, FARM TOOLS, POULTRY AND DAIRY SUPPLIES.

1913 ANNUAL

P. Mann & Co., Washington, D.C.

TELEPHONE, MAIN 1121.